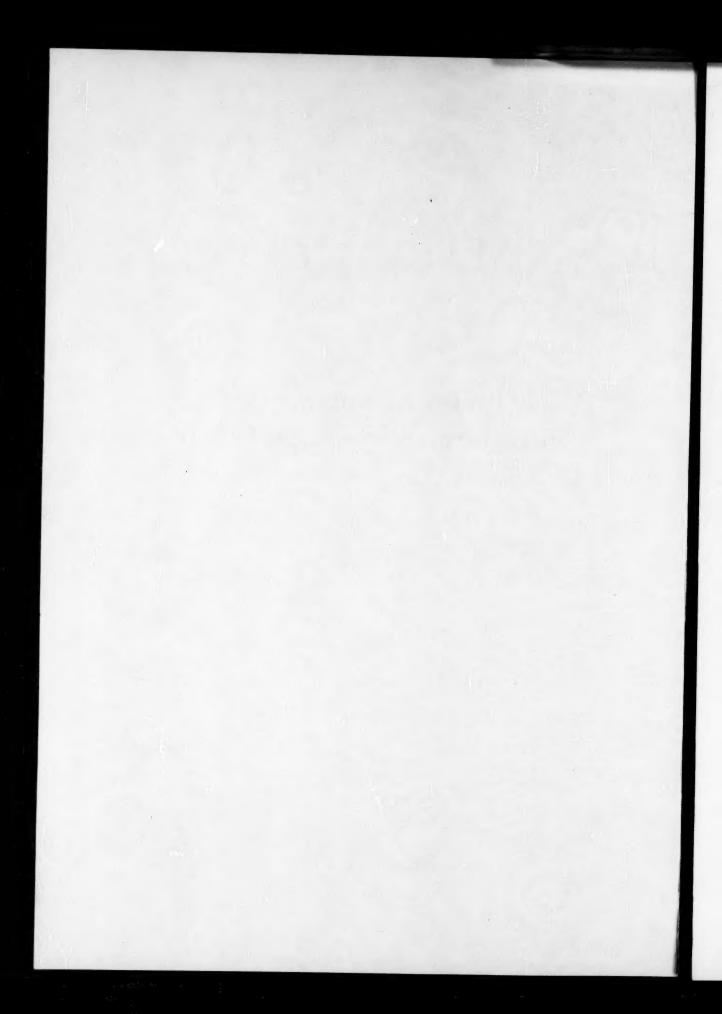
# MACHINERY

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part	Feb.	177	Automatic Hopper Feed for Set-			Drill	Mar.	194
Bor-Dril for Deep Holes, Ex-Cell-O	Dec.	214	screws			Burgmaster High-speed Turret Drill	Mar.	194
Bore and Chamfer Refrigerator Parts, Ex-Cell-O Machine Equipped to	Mar	227	Broach, Push Type Hexagon Broaches, duMont Push Type	Mec.	240	Burnishing the Tooth Surfaces of . Hardened Pinions	Ann	215
Bores; Gages for Checking Bearing	mar.	401	Broaches, Milling Cutters, and Special			BurrAway Deburring and "Bearing-	oupi.	310
Sleeves, Compression Blades, and	Feb.	222	Tools, Ex-Cell-O	Nov.	221	izing" Tools, Cogsdill	Mar.	201
Bore-Matic Equipped for Simultaneous			Broaching Helical Gears, Two-station	Maria	200	Burr-Master Automatic Deburring Ma-		
Boring of Differential-housing Flanges, Heald		215	Machine for	MOV.	406	chines for Internal and External		
Bore-Matics, Heald Multiple-station	Apr.	232	tic Operation, Detroit Continuous	July	228	Gears	Dec.	202
Boring and Facing Machine for Pro-			Broaching Machine, Automatic Internal			Burr-Master Duplex Gear-chamfering		
cessing of Automotive Crankshafts			Spline	Dec.	209	Machine		
Boring and Grinding Equipment, Heald Boring and Internal Grinding Machines,	sept.	240	Broaching Machine, Colonial Electro-			Bushings Made from Bolts, Drill		
Bryant	Sept.	291	Gear Dual-ram Vertical	July	223	Bushings, Producto Guide Pins and	Mar.	212
Boring and Processing Machines for			Broaching Machine Equipped with Auto-			Byron-Jackson Co.:		
Automation Lines, Ex-Cell-O Pre- cision Cylinder-block	Dec	205	matic Tilt-up Fixtures, Colonial Dual- ram Connecting-rod	Man	238	Heavy-duty Boring on an Engine	0**	167
				erment :	200	Lathe	with	101

C			Carroll-Jamieson Machine Tool Co.: Variable-speed Engine and Tool-			Checking Metals, "Metal Monitor" for Checking Unit Sorts Parts Automatically	July	21
Cabinet Stand for Schaublin Lathes	Mar	. 237	room Lathe	Apr.	229	According to Surface Roughness		20
Calculating Locating Dimensions for a Tube-bending Fixture and an As-			Cartridge, Sure-Bore Boring-bar	Apr.		Checking V-shaped Grooves in Circular Form Tools, Formula for	July	21
sembly Drill Jig. Jay N. Edmondson	Feb.	203	Cartridges Facilitate Greasing, Factory- sealed Grease		175	Chemical Development Corporation: Casting Scrap Loss Reduced by		
Calender Rolls, Federal Air Gage for Measuring Spacing Between	Ang	208	Caser Radial Drilling Machines			Using Aluminum Putty	Feb.	17
Calibrate Your Gage-blocks, How to.			Casting Alloy Replaces Aluminum Alloy D132, New Aluminum	Apr.	186	Chicago Dial Indicator Co.: Checking Instruments	Mar	21
Frederick O. Hutchinson			Casting in Glass-powder Molds, Pre-			Chicago-Latrobe:		
Caliper, Mauser Stainless-steel Vernier	Feb.	230	Casting Scrap Loss Reduced by Using	July		High-speed Countersinks	Nov.	25
Caliper with Cam Lock, Micrometer Cam Design, Elements of. Robert V.	reb.	232	Aluminum Putty	Feb.	176	Carbide Gun Drills	Jan.	21
Nicoloni:	Ana	104	Metal	Feb.	177	Special Drills and Reamers Chicago Pneumatic Tool Co.:	reo.	22
Cam-disc Controls Angular Cutting of			Castings, Match-plate Metal Now Em- ployed for	Feb.	177	Torque-controlled Portable Power Screwdrivers and Nutrunners		
Turret Lathe Attachment	Dec.	165	Cement for Joining Metallized Plastics to Each Other			Equipped with Magnetic Clutch	Oct.	27
Requirements Met by. Walter			Cemented Carbide, see Carbide	Dec.	100	"Chicago" Press Brakes, Dreis & Krump Brings Out Four	Dec.	21
McCadden	June	148	Cemented Oxide Tools Show Promise of Increasing Cutting Speed Ranges	Dec	172	Chicago Screw Co.:		
Morris	Nov.	200	Centalign Automatic Grinder, Bryant			Plastic Handles for Machine Tools Quality Control System Relies on	мау	22
Machine Tool Modernization Pro-			Vertical Model Centalign Automatic Internal Grinding	Aug.	202	Contour Projector Chicago Tool & Engineering Co.:	June	15
Campbell Machine Division, American	Sept	. 268	Machine, Bryant			Palmgren Tilting Rotary Indexing		
Chain & Cable Co.:			Center, Cross Carbide-tipped Live Center-drilling, Machine for Milling	NOV.	220	Palmgren Vises, Rotary Table, and	Nov.	21
Wet Abrasive Cutting Machine Sever-All Oscillating Cut-off-Ma-	Apr.	238	and	May	202	Bench Mill	Mar.	21
chine	June	211	Centering Machine; Sheffield Form Grinders, Comparator, Threading			Chip Control for Gun Drilling	June Oct.	16
Camshafts, Compact Transfer Machine for Processing	July	217	Unit, and	Sept.	214	Chisel, Rivet-head. Clifford Molloy	Nov.	19
Cannon-Muskegon Corporation:			dicates. W. M. Halliday	Nov.	196	Chromewear Steel Provides Abrasion Resistance	Nov.	17
Improved Alloys Produced by Vac- uum Melting	June	199	Centering Punch of Lightweight Design, Starrett Automatic	Mar	226	Chromium, New Plating Process De-		
Canton Tool Mig. Co.: Precision Drilling and Boring Ma-			Centerless Grinding Machine, Van Nor-			Chuck, Buck Compensating	Mar.	24
chine	June	218	Central Technical, Inc.:	Aug.	203	Chuck Facilitates Machining of Cylinder Liners, Non-distorting. Herbert Chase		
Caps, Cross Transfer-matic for	Jan.	208	Designing Progressive Dies:			Chuck for Shank Type Cutting Tools,		
Crankshaft Bearing	Sept.	187	2	Mar.	173	Better-Hold Chuck, Horton Controlled Centering-	June	23
Carbide, Allegheny Ludium Steel-cut- ting Grades of Carmet Cemented	Oct.	233	Centra-Point End-mill Grinding Ma-			pressure	Mar.	20
Carbide Blanks, Firlomet Cemented	Aug.	221	Cera-Met Bond for Diamond Wheels	June	206	Chuck with Controlled Centering Pres- sure	Jan.	20
Carbide for High-speed Machining, Kennametal Steel-cutting	May	191	Ceramic Cutting Tool Material, Sistox Ceramic Cutting Tools, Diamonite			Chuck with Controlled Centering Pres-		
Carbide for Milling High Tensile Strength Cast Irons			Ceramic Tip, Raybestos Tool with			sure, Lightweight Universal Chucks Added to Cushman Line, New	Mar.	20
Carbide Indicates Long Tool Life, Easy-			Bonded Ceramic Tool for Metal Cutting	Aug.	226	Chucks, Cushman Accra-Set	Sept.	20
to-grind, High-titanium			Ceramic Tools for Cutting Metals,			Power of Magnetic	Oct.	16
Carbide Inserts, Valenite Holders and			Stupalox	Jan.	203	Chucks for Twisting Rod, Cam-jaw. Oscar Nagelis	May	18
Carbide Milling Speeds Output of Die- blocks. Carl Latora	Ane	188	creasing Cutting Speed Ranges	Dec.	172	Chucks, Skinner Compensating Power	May	22
Carbide Structure Booded to Steel Sur-			Ceram'cones for Barre! Finishing,	Apr.	230	Chucks; Surface Grinder, Gaging Units, and	Sept.	24
faces, Sintered	Peb.	175	Chace, Frank E.: Talistock Plug Replaces Tool-			Chucking Machine, see also Automatic		-
How to Use. Warren E. Fraser			maker's Button	Nov.	195	Chucking Machine, Acme-Ryder Multi- ple-spindle Vertical	Apr.	21
Carbides, Steel-cutting		299	Chain, Non-sparking Non-magnetic Welded Aluminum	Jan	169	Chucking Machine; Bullard Vertical Turret Lathe, Horizontal Boring Mill,		
Steel-cutting	Jan.	170	Chain Used for Pumping Corrosive			and Vertical	Sept.	21:
tric Co., see Metallurgical Products			Fluid, Roller. Worth M. Barton Challenge Machinery Co.:	Oct.	207	Chucking Machine, Transfer Press, and Vertical Lathe; Baird	Sept.	19
Department of General Electric Co. Carbon Dioxide, Automatic Welding			Surface Plates	Sept.	329	Cici, N. P.:		
Equipment Shields Arc with	Nov.	156	New Foundry Opened	June	258	Form Tools by Electrical Discharge Machining	July	14
Carborundum Company: Platen Grinder with Abrasive Belt			Chamfer Refrigerator Parts, Ex-Cell- O Machine Equipped to Bore and			Cimplus Water-soluble Grinding Com- pound		
Driven and Backed Up by Serrated	004	914	Chamfering Machine, Burr-Master			Cincinnati Bickford Tool Co.:		
Belt	Oct.	214	Duplex GearChance Vought Aircraft, Inc.:	Apr.	237	"Super Service" Drilling Machines Cincinnati Gilbert Machine Tool Co.:	Sept.	23
Abrasive Wheels	Dec.	183	Plastic Vacuum Fixture for Milling	_		Boring Mili	Sept.	28
Metals			Odd-shaped Parts	Dec.	155	Radial Drilling Machine Cincinnati Grinders Incorporated:	Jan.	19
Abrasive Cut-off Wheels Bond Abrasive Segments for Grind-	Feb.	225	Ray M. Page	Aug.	196	Filmatic Plain and Hydraulic Grind-		
ing Metals	May	200	Change-gears, see also Gears Channel-shaped Grinding Fixture Sup-			ing Machines	Jan.	19
Sectional Buffing Wheels	мау	228	ports Gib Backing Strip Charts Increase Tool Life, Usage.	Aug.	161	chines	June	20
Rotary Indexing Machine for Process-	Mon	900	Charles H. Wick	Apr.	179	Drilling Machines and Lathe	Sept.	19
Cardboard Template, Accurate Punching		200	Chase, Herbert: Dieing Press Yields Sixty Clutch			Geared-head Engine Lathe		
Controlled from. Charles H. Wick Carlson Co.:	Jan.	134	Plates a Minute	Oct.	202	Tubing Rolls Accurately Machined		
Coats Precision Spring Tester	Aug.	203	Rolling Sheet Metal into Housings for Washing Machines	Jan.	154	on an Engine Lathe	Jan.	15
Carlton Machine Tool Co.: Preselectors and Programmers for			Heat-treating Parts for the Buick			chine	Jan.	19
Radial Drilling Machine	Sept.	188	Non-distorting Chuck Facilitates	Feb.	148	All-geared Head "Tray-Top" Gap- bed Lathes	Mar.	23
Carmet Division of the Allegheny Lud- lum Steel Corporation:			Machining of Cylinder Liners	May	175	Cincinnati Milling Machine Co.:		
Steel-cutting Grades of Cemented		000	Paired Boring Machines Turn Out Transmission Casting	Aug.	159	Dial Type Milling Machine	Nov.	20
Carbide "Throw-away" Inserts	Feb.	232	Chasers, Geometric Supermetric "Check Master" Test Indicator	Sept.	328	Compound	Dec.	22
Carmet Steel-cutting Carbides That			Check-valve, Vickers Pilot-operated	Feb.	230	Machines		
Provide Great Edge Wear Carpenter Steel Co.;	ean.	410	Checker, Optical Tap Checker, Red Ring Gear			Film on Machine Replacement Induction and Flamatic Hardening		
Knowledge of Decarburization Dan- gers Safeguards Tool and Die Per-			Checking and Sorting Machine, Red Ring			Machines	Mar.	19
formance	Jan.	138	Automatic Gear	Oct.	228	Precision Dividing Heads for Uni- versal Milling Machines	Apr.	23
All-inclusive Testing of Tubing at 250 Feet per Minute	Jan.	153	Gage and Squareness Thread			Induction Hardening Machine	May	20
Carr, W. L.:			Checking Instruments, Precision	Mar.	213	Powermatic Milling Machines Cincinnati Shaper Co.;	July	22
Deep-hole Tapping of Titanium Alloys	June	184	Checking Internal Threads by Optical Comparison	Man	169	Shapers, Press Brakes, and		
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Five-year Guarantee on Machine			Collet Head, Kuma Universal Dividing	July	246	Control Panels for Ex-Cell-O Machines,		
Circle, Finding the Center and Radius	Sept	. 338	Collets, Red Arrow Precision	Sept.	303	New	Sept.	. 282
of an Arc through Point and Tangent			Colonial Broach & Machine Co.:	Oct.	224	Control System Facilitates Drilling Ac- curately Positioned Holes, Dial-oper-		
to. Jay N. Edmondson	June	196	Broaching Machine Equipped with			ated	May	199
Circuit Boards, Zagar Gearless Head			Shuttle Type Loading and Unload-			Control System Relies on Contour Pro-		
for Drilling	Mar	. 220	ing Fixture	Jan.	200	jector, Quality	June	152
and	Mar	. 223	Dual-ram Connecting-rod Broaching Machine Equipped with Automatic			Control Unit, Electronic		
Clamp, Universal Helix Type Work	Feb.	227	Tilt-up Fixtures	Mar.	238	Controls, How Small Presses Assemble	cept.	
Clamps and Releases Small Work, Mil-			ElectroGear Dual-ram Vertical			Automotive Heater. Raymond F.		
ling Fixture Automatically. Alex S.			Broaching Machine	July	223	Gamundi	Aug.	191
Arnott	Jan. Sent	304	Color-anodized Aluminum Available in Many Forms	Anr	208	Convair Division of General Dynamics Corporation:		
Clark Controller Co.:	sept	. 504		May.		Stretch-forming Titanium Sections	Apr.	196
Control Equipment	Sept	. 244	Commercial Shearing & Stamping Co.:			Deep-hole Tapping of Titanium		
Toggle Switch Motor Starter	Feb.	226	High-pressure Control Valve			Alloys	June	184
Clark Equipment Co.: Practical Tooling Expedites Mil-			Compacting Press, Metal-powder	Oct.	220	Tracer-controlled Machines Speed	Tecles	149
ling and Boring Operations	Feb	190	Comparator, Covel Grinding Machines and Optical	Sont	270	Converter Housings, Buhr Economatic	July	102
Axle Housings Undergo Localized			Comparator for Checking Tapers. H. J.	Dept.		for Processing Torque	June	204
Hardening and Tempering	May	167	Gerber	Feb.	199	Cook, Ben L., Obituary of		
Clark, Robert L.:			Comparator, Gear-tooth Space	Oct.	240	Cook, Earl:		
Hot Parts for a Turbo-jet	Aug.	221	Comparator, Lead-testing Comparator, Threading Unit, and Cen-	Mar.	226	Tapping Titanium Demands Special Consideration	Mar	176
Clausing Division, Atlas Press Co.:	apr.	201	tering Machine; Sheffield Form			Coolant and Tools, Motch & Merry-	Mat.	110
Lathe and Drill Press			Grinders,	Sept.	214	weather Cutting	Mar.	209
Clausing Multiple-spindle Drill Press	Mar	. 204	Comparators, and Grinding Machines;			Coolant Equipment Corporation:		
Cleaner for Ferrous and Non-ferrous	Man	100	Jones & Lamson Lathes, Optical	Sept.	306	Carnes Oil-dispensing and Sump-	Ont	220
Metals, Emulsion	Aug.	201	Compound, Cimplus Water-soluble Grinding	Dec	228	Coolant Influence Screw Machine De-	Oct.	249
Cleaner with Anti-rust Properties,			Compound for Barrel Deburring, Oakite			sign, Cutter and. Claude R. Morgan	Jan.	165
Soluble Emulsifiable Oil Type	May	160	Compound, Oakite Barrel Deburring			Coolant System for Machine Tools,		
Cleaners for the Metalworking Shop,	0-1	100	Compounds with Lubricating and Solu-		100	Mist	Jan.	215
Cold	Oct.	196	bility Properties, Organo-silicone Compression Blades, Parallelism Air	Feb.	176	Coolant That is Rust Inhibiting, Heavy-	Pak	170
Type	Aug	219	Gage for Borers and Gages for Check-			duty Emulsive	r eb.	1.16
Cleaning Machine, Wheelabrator Abra-			ing Bearing Sleeves and	Feb.	222	Water-soluble Cutting	May	161
sive-blast	June	220	Compressor Disc Production, Jet En-			Coolers, Vickers Oil	Aug.	211
Cleaning, Oakite Hurriclean Gun for	Wab.	950	gine. W. M. Williams Compudex Mechanical Indexing Com-	July	189	Cooper, Alfred M.:		
Steam	Feb.	230	puter, Kearney & Trecker	Sant	280	How to Compensate for Shortage of	Ana	100
Presses	July	218	Conant, Frederic W.:	Sept.	200	Engineers	Aug.	102
Clearing Machine Corporation:			Ingenuity of Machine Builders Fa-			Series of Hardenable Stainless-steel		
Presses Displayed at Machine Tool	-		cilities Aircraft Manufacture	Sept.	226	Alloys Now Available	Feb.	176
Show			"Concentric" Grinding Machine, Landis	Oant	202	Cooper Weymouth, Inc.:		
Automatic Press Line for England Clear-Flo Lubrication System for	Mar	221	Automatic	sept	403	Air-operated Slide Feeds for Power Presses	Doe	210
Presses	July	218	minum-alloy	Dec.	186	Pneumatic Slide Feed for Small	Dec.	219
Presses Combine Automatic Opera-			Cone Automatic Machine Co., Inc.:			Punch Presses	June	211
tion with Versatility			New Lines of Automatic Lathes	Sept.	242	Co-operative Education Celebrated at		
Air Control Manifold for Presses	Aug.	223	Cutter and Coolant Influence Screw	Ton	105	the University of Cincinnati, Golden		
Cleereman Machine Tool Co.: Jig Borer and Drilling Machines	Sant	307	Machine Design Conforming Matrix Corporation:	Jan.	100	Anniversary of	June	201
Cleveland Automatic Machine Co.:			Automatic Rotary Wiping Machine	Dec.	210	Lodge & Shipley	Nov.	204
Automatic Bar Machines	Sept.	228	Rotary Paint Sprayer	Dec.	218	Core-drills with Three and Four		
Cleveland Punch & Shear Works Co.:			Automatic Spray Painting Machine	July	224	Flutes	Aug.	226
Double-crank Open-back Press Cleveland Tapping Machine Co.:	May	195	Connecticut Hard Rubber Co.: Silicone Rubber Compounds with			Corning Glass Works: Precision Casting in Glass-powder		
Tapping Machines and Automatic In-			High Tensile and Tear Strengths	June	177	Molds	July	161
dex-table	Sept.	220	Connecticut Press Brake	Apr.	220	Cosa Corporation:		
Junior Multiple-spindle Drill-tapper			Connecting-rod Assembly Machine,			Universal Helix Type Work Clamp	Feb.	227
Clinic for Tooling Problems. Charles			Ingersoll-Rand Impactools and Auto-			Counter Wheels and Pinions, Impact		
O. Herb	Feb.	145	Connecting-rod Broaching Machine	Mar.	209	Extrusion of Aluminum	June	122
Cera-Met Bond for Diamond Wheels	June	208	Equipped with Automatic Tilt-up Fix-			Countersinks, Chicago-Latrobe High-	Apr.	231
Clutch Disc Production, Submerged-arc			tures, Colonial Dual-ram	Mar.	238	speed	Oct.	252
Welding Boosts	Feb.	174	Connecting-rods, Cross Special Ma-			Counting Device for High-speed Opera-		
Clutch Housings, Machine for Process-	Y	000	chine for Processing	Nov.	207	tion. B. J. Popper	Apr.	208
ing V-8	June	200	Consolidated Machine Tool Co.: Building the Big Ones	Ann	202	Covel Mfg. Co.: Grinding Machines and Optical Com-		
Shaft, Double. J. J. Pot	June	190	Construction Industry Requires Machines			parator	Sept.	270
Clutch Plates a Minute, Dieing Press			to Make Machines, The. R. G.	_		Covers, Snyder Transfer Machine Proc-		
Yields Sixty. Herbert Chase	Oct.	202	Le Tourneau			esses Automobile Chain Case	Dec.	211
Clutches, Formsprag Over-running			Contour-grinding Machine, Jones &	мау	224	"Crack-Free Chromium" Process Cradle and Straightener, Combination	Oct.	193
Clutches, Heavy-duty			Lamson	Nov.	198	Coil	May	201
Clutches, Twin Disc Oil-actuated, Mul-			Contour Rolling of Temperature Re-			Cradle and Straightener for Coiled		
tiple-plate	Sept.	328	sistant Aircraft Components. Frank			Stock	Jan.	195
Coast Metals, Inc.: High-nickel Brazing Alloys for High-			J. Altmann Contour Turning, Electrically Con-	July	180	Cradle, Cabinet-mounted Slide Feed with Straightener and Multi-roll Coil	Mon	212
temperature Service		160	trolled Roll Lathe for	Dec.	204	Crane Packing Co.:	Mar.	21.1
Coating Objects with Plastic Materials,	,		Contouring Tapered Sections by Radial			Large Capacity Precision Lapping		
Process for	Apr.	187	Draw-forming	July	272	Machine	Aug.	228
Coating, Paint Adhesion Assured by	*	170	Contouring with Versatile Hydraulic	D	120	Crank That Provides a Dwell in Recipro-		
"Totrust Metal-Bond"	June	110	Tracer, Accurate	Dec.	192	cating Motion, Rotating. H. B. Schell Crankshafts, Buhr Economatic Equipped	Apr.	207
Surfaces, Protective	Nov.	177		Jan.	201		Nov.	212
Coating Stainless Steel, Process for			Contour-matic, DoALL Automatic Pro-			Crankshafts, Double-end Trunnion Type		
Marking and	Apr.	209	duction Sawing on	Mar.	219	Machine for V-8 Engine	Jan.	193
Coats Precision Spring Tester	Aug.	203	Contour-O-Scope Measuring Instru-	Inter	940	Crankshafts, Ex-Cell-O Special Machine	Pak.	204
Cogsdill Tool Products, Inc.: Deburring and "Bearing-izing"			ment	July	240	for Rapid Processing of Automotive Crankshafts, Landis Integrated Pro-	reb.	206
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Cohrlastic Silicone Rubber Compounds			Control, Automatic System for Machine	Nov.		V-8	June	202
with High Tensile and Tear Strengths	June		Control Equipment and Magnetic Air			Crankshafts Speeds Plymouth V-8		
Coil Loader, Power-lift	Aug.	235	Valve, Clark	Sept.	211	Production, Automation of. Charles H. Wick	Jan	199
Coil Stock, Morton Machine for Butt-	Japa.	200	Automatic	Aug.	238	Crawford, Arthur R.:	oun.	143
welding	Nov.	201	Control, General Electric Numerical			Vibrations Eliminated without		
Cold-bending Tests, Machine for Making	Aug.	202	Positioning	Sept.	354	Major Disassembly	Oct.	199
Cold-forming Process, Roto-Flo.	Jan	177	Control Manifold for Presses, Clearing	Ann	999	Creative Products Co.:	Des	240
Cold-heading Machine, Double-stroke			Control Panel, METCO	Aug.		Kwik-Sand Abrasive Disc	LHC.	240
Collet Arbor, Woodworth Tork-lok			Control Panels at the Turn of a Dial,			pie	June	218
Collet Fishupe Air-operated	Tealer	976	Deilling	Bak	904	Cross Marting Machine Baldud-	A	

Creep Testing Machine, Improved Ex- tensometer for	Aug.	222	Boring Tools Exhibited at Show Dearborn Gage Co.;	Mar	. 217	New Pilot Lights Dialmatic Automatic Bar Machines,	Mar.	. 252
Crittenden, Dr. Eugene Casson, Obit-			Dearbornaire Column Type Air Gag-			Cleveland	Sept.	. 22
Cross & Son, Herbert;			ing Instrument Deburring and "Bearing-izing" Tools,			Dial-Matic Lathe with Single Dial Con- trol on All Working Units, Sidney	Sept	. 25
Carbide-tipped Live Center Cross Company, The:			Cogsdill Deburring Compound, Oakite Barrel			Diamond Hand Files, Starlite	Aug.	219
Transfer-matic for Bearing Caps Transfer-matic and Dial Type Ma-	Sept	. 187	Deburring Machine, Roy Automatic			Multi-Max Presses Equipped with	*	
chines for Automotive Parts		212	Slotting and Deburring Machines for Internal and Ex-	NOV	. 210	Air-operated Clutch and Brake Diamond Tools for Mirror-finish Ma-		
Special Machine for Processing Con- necting-rods		207	ternal Gears, Burr-Master Automa- tic	Dec.	202	chining, Hamilton	Jan.	202
Lathe for Machining Shells			Deburring, Oakite Compound for Barrel	Aug.	206	Ceramic Cutting Tools	Feb.	226
Special Transfer-matic for Pro- cessing Flywheel Housing As-			Decarburization Dangers Safeguards Tool and Die Performance, Knowl-			Dicke, Allen A.: Cutting Production Costs with		
Transfer-matic for Processing Dif-	Feb.	211	edge of G. E. Brumback Deckel Universal Helix Type Work	Jan.	138	Tracer-turning	May	158
ferential Gear Carriers	May	209	Clamp	Feb.	227	Threading		
Transfer-matic Built to Machine Automobile V-8 Exhaust Mani-			Decker, Alonzo Galloway, Obituary of Deep-Cut Hole Saws, Millers Falls	May	242	Die-blocks, Carbide Milling Speeds Out- put of. Carl Latora	Apr.	188
folds	Aug.	206	Deflecting Yokes, Automatic Three- stage Segment Grinder for Color			Die-casting Machine, H-P-M Die-casting Machine, Lake Erie	Apr.	234
Molybdenum-sulphide Alloy Steel	Sept.	329	Television	Dec.	216	Die-castings, Techniques in Polishing.		
Cuno Engineering Corporation: Cleanable Micronic Filter	Dec.	222	Degreaser, Aircon Vapor Degreasers, Curtiss-Wright Ultra-	Aug.	238	T. P. Barbicane Die Cuts Cost of Impact Extruding at	Feb.	167
Curtice, Harlow H.: More and Better Tools for a Big-			sonic	Aug.	217	North American, Universal. Frank J. Pesak	July	104
ger Job	Sept.	190	Filter	Oct.	236	Die Cuts Pins to Various Lengths,		
Curtis Machine Corporation: Platen Grinding Machine with Abra-			Delpark Magnetic Coolant Separator and Filter	Feb.	216	Simple. Federico Strasser  Die-filing Machine, Keller		
sive Belt Driven and Backed Up by Serrated Belt	Oct	214	Delpark Magnetic Separator and Filter	July	226	Die-filing Machine, Rice		
Curtiss-Wright Corporation:			Delta Power Tool Division of the Rock- well Mfg. Co.:			Die for Hose Clips, Two-stage Bending. Federico Strasser		
Ultrasonic Degreasers Cushman Chuck Co.:			Improved Abrasive-belt Grinding Machines	Mar	248	Die-head with Inserted Chasers, H & G Die-heads and Lanroll Taper Thread	Aug.	238
Accra-Set Chucks			Cutt-off Unit  Denison Engineering Co.:	Apr.	228	Rolling Attachment, Landmatic	Mar.	. 196
Cut-off Machine, Automatic			Multipress and Hydraulic Equip-			Die Material, High Impact Resistant Drop-hammer	Nov.	177
Cut-off Machine Designed for Automa-	Feb.	221	ment	Sept.	. 263	Die Produces Two Shells in One Opera- tion, Combined Single- and Double-		
Cut-off Machine, Sever-All Oscillating Cut-off Machines, Walker-Turner			Abrasive Wheels  Densmore Engineering Co., Inc.:	Dec.	183	action. Burnett Menkin  Die Set, Acromark Versatile		
Cut-off Unit, Delta	Apr.	228	Heavy-duty Double-acting Cylinders	Aug.	223	Die Sets and Diemakers' Supplies, Danly		
Cutout That Protects Drive Against Overload	Aug.	226	Derusting Materials, Oakite Stripper and	Sent	304	"Leadership Line" of Die-sinker Features Hydraulic Refine-	Mar.	200
Cutter and Coolant Influence Screw Ma- chine Design. Claude R. Morgan	Inn	185	Descaling Machine, Elmes Portable			ments, Pratt & Whitney		
Cutter-head Designed to Machine Awk-	own,	100	Billet Descaling Machine, Pangborn High-			Die-sinker, Turchan Automatic Die Steel Called "MC-Mold and Cavity		
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Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Fread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal. Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Spacing Between	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Aug.	220 216 217 160 232 216 209 233 222 190 208 208 210	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-grinding Machines, Automatic Gear-dining Machine and Finishing Equipment, Michigan Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate"	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Sept.	276 211 234 142 200 208 208 208 209 213 236 213 202	Motor for Motch & Merryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duty Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components '3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling	Peb. Mar. Apr. Apr. Apr. May May May May May May May May May Aug.	219 223 234 172 226 254 161 164 169 248 186 203 150 211
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Stretch Gage for Checking Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Spacing Between Calender Rolls, Federal Air.	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Aug.	220 216 217 160 232 216 209 233 222 190 208 208 210	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashentelder Gear-grinding Machine and Automatic Screw Machine Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashentelder Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rxeppa Constant Velocity Universal Joints Gear-hobbing Machines, Automatic Gear-hobbing Machines, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton.	Sept. Jan. Oct. Jan. July Sept. Nov. Dec. Dec. Sept. Sept. Nov.	276 211 234 142 200 208 208 209 213 236 213 202 195	Motor for Motch & Morryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duty Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling General Motors Corporation:	Peb. Mar. Apr. Apr. Apr. May May May May May May May May May Aug.	219 223 234 172 226 254 161 164 169 248 186 203 150 211
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Fread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks, How to Calibrate Your. Gage-blocks Made to Newly Established Standards, DoALL. Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Adjustable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air. Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Boacing Between Calender Rolls, Federal Air	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Dec. Aug.	220 216 217 160 232 216 209 233 222 190 208 208 210 208	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-hobbing Machine, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-more, Relainee	Sept. Jan. Oct. Jan. July Sept. Nov. Dec. Dec. Sept. Sept. Nov.	276 211 234 142 200 208 208 209 213 236 213 202 195	Motor for Motch & Morryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines  Service Panels  Standard and Severe Duty Motors  Laminate in Automatic Production of Electronic Equipment  How to Use Carbide Tools in Ma- chining Titanium  Soldering Combined with Press Operation  Supersonic Wind Tunnel Tests Jet- engine Components  "3-in-1" Plant Makes Standard and Special Electric Motors  Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices  Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling  General Motors Corporation:  More and Better Tools for a Bigger	Peb. Mar. Apr. Apr. Apr. May May May May June July Aug. Aug.	219 223 234 172 226 254 161 169 248 186 203 150 211
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Stretch Gage for Checking Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Spacing Between Calender Rolls, Federal Air.	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Aug. Aug. July	220 216 217 160 232 216 209 233 222 190 208 210 208 210	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-hobbing Machine, Automatic Gear-hobbing Machine, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton. Gear-motor, Reliance. Gear Production Equipment and Broach- ing Machine, Red Ring.	Sept. Jan. Oct. Jan. July Sept. Nov. Dec. Dec. Sept. Sept. Nov. Aug.	276 211 234 142 200 208 208 209 213 236 213 202 195	Motor for Motch & Morryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors  Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines  Service Panels  Standard and Severe Duty Motors  Laminate in Automatic Production of Electronic Equipment  How to Use Carbide Tools in Ma- chining Titanium  Soldering Combined with Press Operation  Supersonic Wind Tunnel Tests Jet- engine Components  "3-in-1" Plant Makes Standard and Special Electric Motors  Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices  Totally Enclosed Shaded-pole Motor General Mills, Inc.:  Exacting Precision Requirements Met by Special Tooling  General Motors Corporation:  More and Better Tools for a Bigger Job Industry-sponsored Scholarship	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept.	219 223 234 172 226 254 161 164 169 248 186 203 150 211
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Suaureness Thread-checking Gage and Suaureness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove. Gage-blocks Wide Range of Tapers, Adjustable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Alr. Gage for Checking and Sorting Pushrods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Reasuring Bolt Stretch Under Tension, Air. Gage for Radially Ground Cutters, Sight. H. J. Gerber. Gage, Groove-checking Comparator Gage Set for Testing Micrometers,	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Aug. Aug. July Apr.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Screw Machine of Voluti-Construc- tion" Design. Automatic Gear-grinding Machines Gear-hobbing Machines, Automatic Gear-hobbing Machines, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton. Gear-motor, Reliance Gear-Production Equipment and Broach- ing Machine, Red Ring. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Sept. Nov. Sept. Sept. Sept. Sept. Sept. Sept.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193	Motor for Motch & Merryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duty Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept.	219 223 234 172 226 254 161 164 169 248 186 203 150 211
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Biades, Parallelism Air. Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air. Gage for Radially Ground Cutters, Sight. H. J. Gerber. Gage Gor Opparator Gage Gage for Testing Micrometers, Mikemaster.	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Aug. Aug. July Apr.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle. Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-obbling Machine, Automatic Gear-obbling Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton. Gear-motor, Reliance Gear-Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant"	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Sept. Nov. Sept. Sept. Sept. Sept. Sept. Sept.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193	Motor for Motch & Merryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines  Service Panels  Standard and Severe Duty Motors  Laminate in Automatic Production of Electronic Equipment  How to Use Carbide Tools in Ma- chining Titanium  Soldering Combined with Press Operation  Supersonic Wind Tunnel Tests Jet- engine Components  "3-in-1" Plant Makes Standard and Special Electric Motors  Honeycomb Materials Reduce Weight of Jet Engines  Induction Heating Streamlines Pro- duction-brazing Practices  Totally Enclosed Shaded-pole Motor General Mülls, Inc.:  Exacting Precision Requirements Met by Special Tooling  General Motors Corporation:  More and Better Tools for a Bigger Job  Industry-sponsored Scholarship Program.  Short Drills Reduce Costs on Spe-	Feb. Feb. Mar. Apr. Apr. Apr. May May May June July Aug. Aug. June Sept. Jan.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Fread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Adjustable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Spacing Between Calender Rolls, Federal Air Gage for Gage Groove-checking Comparator Gage Gage Ger for Testing Micrometers, Mikemaster.	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Aug. Aug. July Apr. May	220 216 217 180 232 216 209 233 222 190 208 208 210 208 210 240 228	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-grinding Machines, Automatic Gear-dining Machine, Lees-Bradner Automatic Gear-drinding Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-motor, Reliance Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear Shapers, Automation-equipped	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Sept. Nov. Aug. Sept.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duly Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine	Feb. Feb. Mar. Apr. Apr. Apr. May May May June July Aug. Aug. June Sept. Jan.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL. Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Biades, Parallelism Air. Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Grinding Wheels, Federal Gage for Gederal Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air Gage, Groove-checking Comparator Gage Set for Testing Micrometers, Mikemaster. Gage Stamps Code Letter on Pistons, Electronic Measurement.	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Aug. Aug. July Apr. May	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 228	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle. Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenielder. Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine ("Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints. Gear-grinding Machine, Automatic Gear-hobbing Machine, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-motor, Reliance. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear Shapers, Automation-equipped "Shear-Speed"	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Sept. Nov. Aug. Sept.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229	Motor for Motch & Merryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines  Service Panels  Standard and Severe Duty Motors  Laminate in Automatic Production of Electronic Equipment  How to Use Carbide Tools in Ma- chining Titanium  Soldering Combined with Press Operation  Supersonic Wind Tunnel Tests Jet- engine Components  "3-in-1" Plant Makes Standard and Special Electric Motors  Honeycomb Materials Reduce Weight of Jet Engines  Induction Heating Streamlines Pro- duction-Drazing Practices  Totally Enclosed Shaded-pole Motor General Mills, Inc.:  Exacting Precision Requirements Met by Special Tooling  General Motors Corporation:  More and Better Tools for a Bigger Job  Johnstry-sponsored Scholarship Program  Short Drills Reduce Costs on Spe- cial Machine  General Electric Direct-	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Fread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Boacing Between Calender Rolls, Federal Air Gage for Measuring Spacing Between Calender Rolls, Federal Air Gage, Growe-checking Comparator Gage Set for Testing Micrometers, Mikemaster Gage Stamps Code Letter on Pistons, Electronic Measurement Gage, Stur-D-Aire Amplifier for Air.	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Aug. Aug. July Apr. May	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 228	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-grinding Machines, Automatic Gear-dining Machine, Lees-Bradner Automatic Gear-drinding Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-motor, Reliance Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear Shapers, Automation-equipped	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Nov. Aug. Sept. Apr. Dec.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duly Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL. Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Biades, Parallelism Air. Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Grinding Wheels, Federal Gage for Gederal Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air Gage, Groove-checking Comparator Gage Set for Testing Micrometers, Mikemaster. Gage Stamps Code Letter on Pistons, Electronic Measurement.	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Aug. Aug. July Apr. May	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 228	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine. Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-hobbing Machine, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine Gear-hobbing Machine Gear-hobbing Machine Gear-hobbing Machine Gear-hobbing Machine Gear-hobbing Machine Gear-hobbing Mac	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Nov. Aug. Sept. Apr. Dec.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors. Direct-current Motors and Genera- tors.  Plastic Compressor Blades for Jet Engines. Service Panels. Standard and Severe Duty Motors. Laminate in Automatic Production of Electronic Equipment. How to Use Carbide Tools in Ma- chining Titanium. Soldering Combined with Press Operation. Supersonic Wind Tunnel Tests Jet- engine Components.  "3-in-1" Plant Makes Standard and Special Electric Motors. Honeycomb Materials Reduce Weight of Jet Engines. Induction Heating Streamlines Pro- duction-brazing Practices. Totally Enclosed Shaded-pole Motor General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine. Generators, General Electric Direct- current Motors and. General Wootors and.	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug. Mar. Jan.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove. Gage-blocks Wide Range of Tapers, Adjustable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Alr. Gage for Checking and Sorting Pushrods, Federal Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Reassuring Bolt Stretch Under Tension, Air. Gage for Reassuring Spacing Between Calender Rolls, Federal Air. Gage for Radially Ground Cutters, Sight. H. J. Gerber. Gage, Groove-checking Comparator. Gage Set for Testing Micrometers, Mikemaster. Gage Sture-D-Aire Amplifier for Air. Gage, Stur-D-Aire Amplifier for Air. Gage, Stur-D-Aire Amplifier for Air. Gage, Thread, see Thread Gage with Interchangeable Parts, Win- slow Guillotine	Dec. Feb. Mar. July Jan. Oct. Oct. Feb. Jan. Dec. Aug. Aug. July Apr. May May Oct. Oct.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 228 195 252	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Generator Indexed by Counting Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine and Automatic Gear-grinding Machine and Finishing Equipment, Michigan Gear-hobbing Machines, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-motor, Reliance Gear-Production Equipment and Broaching Machine, Red Ring Gear Reduction Unit, Haxton "Little Giant" Gear Bapers, Automation-equipped "Shear-Speed" Gear Shayer with Semi-automatic Loader, Internal Gear-shaving Machine for Crown-shaving Extra-large Gears, Red Ring Sktra-large Gears, Red Ring	Sept.  Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Aug. Sept. Aug. Apr. Dec. Aug.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 2246 193 229 209 220	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duty Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc.: Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine Generators, Geseral Electric Direct- current Motors and Geneva Wheel, Blocking Device for a. W. Poot Geni Tool-holders and Adapters	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug. Mar. Jan.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove. Gage-Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Biades, Parallelism Air. Gage for Checking and Sorting Push- rods, Federal Gage for Checking Grinding Wheels, Federal Gage for Gederal Flatness Gage for Gederal Flatness Gage for Gederal Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air. Gage for Measuring Spacing Between Calender Rolls, Federal Gage for Measuring Gage for Gage for Testing Micrometers, Mikemaster. Gage Stamps Code Letter on Pistons, Electronic Measurement. Gage, Stur-D-Aire Amplifier for Air. Gage Thread, see Thread Gages Milustable-dial Hole.	Dec. Feb. Mar. July Jan. Oct. Oct. Jan. Dec. Aug. Aug. July Apr. May May Oct. Oct.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 240 228 195 252	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design Automatic Gear-grinding Machines Rxeppa Constant Velocity Universal Joints Gear-grinding Machines, Automatic Gear-hobbing Machine, Lees-Bradner Gear-Gradner, Reliance Gear Production Equipment and Broach- ing Machine, Red Ring Gear Reduction Unit, Haxton "Little Giant" Gear-Spaed" Gear Shapers, Automation-equipped "Shear-Speed" Gear Shaver with Semi-automatic Loader, Internal Gear-shaving Machine for Crown- shaving Extra-large Gears, Red Ring Rotary	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Dec. Sept. Nov. Aug. Sept. Apr. Dec.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 2246 193 229 209 220	Motor for Motch & Merryweather Saw  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines  Service Panels  Standard and Severe Duty Motors  Laminate in Automatic Production of Electronic Equipment  How to Use Carbide Tools in Ma- chining Titanium  Soldering Combined with Press Operation  Supersonic Wind Tunnel Tests Jet- engine Components  "3-in-1" Plant Makes Standard and Special Electric Motors  Honeycomb Materials Reduce Weight of Jet Engines  Induction Heating Streamlines Pro- duction-brazing Practices  Totally Enclosed Shaded-pole Motor General Mills, Inc.:  Exacting Precision Requirements Met by Special Tooling  General Motors Corporation:  More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program.  Short Drills Reduce Costs on Spe- cial Machine.  Generators, General Electric Direct- current Motors and  Generators, General Electric Direct- current Motors and Adapters  Geometric Tool Co.:	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug. Mar. Nov.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday. Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal. Gage for Checking Grinding Wheels, Federal. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air. Gage for Measuring Spacing Between Calender Rolls, Federal Air. Gage for Gage Set for Testing Micrometers, Mikemaster. Gage Stamps Code Letter on Pistons, Electronic Measurement. Gage, Stur-D-Aire Amplifer for Air.	Dec. Feb. Mar. July Jan. Oct. Feb. Jan. Dec. Dec. Aug. Aug. July Apr. May Cot. Sept. Sept. Sept.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 228 195 252 252 242	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Gear Generator Indexed by Counting Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-hobbing Machines, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hotor, Reliance. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear Shapers, Automation-equipped "Shear-Speed" Gear Shapers, Automatic Loader, Internal Rotary Gear-shaving Machine for Crown- shaving Extra-large Gears, Red Ring Rotary Gear-shaving Machine, Improved Red	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Dec. Sept. Sept. Aug. Sept. Apr. Dec. Aug.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229 209 214	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duly Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc. Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine Generators, Geseral Electric Direct- current Motors and Geneva Wheel, Blocking Device for a. W. Poot. Gen Tool-holders and Adapters Geometric Tool Co.: Supermetric Chasers	Feb. Feb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Sept. Jan. Aug. Mar. Nov.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234
Gage and Deep-throat Micrometer, Lufkin Depth. Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling. Gage-blocks, Bow to Calibrate Your. Frederick O. Hutchinson. Gage-blocks Made to Newly Established Standards, DoALL. Gage, Bryant Portable Groove. Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Biades, Parallelism Air. Gage for Checking Grinding Wheels, Federal. Gage for Checking Grinding Wheels, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Measuring Bolt Stretch Under Tension, Air. Gage for Radially Ground Cutters, Sight. H. J. Gerber. Gage Gage Stamps Code Letter on Pistons, Electronic Measurement. Gage, Growe-checking Comparator. Gage Stur-D-Aire Amplifier for Air. Gage, Thread, see Thread Gage with Interchangeable Parts, Win- slow Quillotine. Gages, Adjustable-dial Hole. Gages, and Cutting Tools; DoALL Saws, Gages, Bolec Adjustable.	Dec. Feb. Mar. July Jan. Oct. Oct. Jeb. Jan. Dec. Aug. Aug. May Apr. May Cot. Oct. Sept.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 240 228 195 252 252 227 242 305	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle. Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenielder. Gear-grinding Machine and Automatic Screw Machine Gear-grinding Machine Co.: Geargrind and Screwmatic Machines Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints. Gear-grinding Machine, Automatic Gear-hobbing Machine, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-motor, Reliance. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear-Shapers, Automation-equipped "Shear-Speed" Gear Shapers, Automation-equipped "Shear-Speed" Gear Shapers, Automation-equipped Gear-shaving Machine for Crown- shaving Extra-large Gears, Red Ring Rotary.	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Sept. Sept. Aug. Apr. Aug. July Apr.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229 209 214 220	Motor for Motch & Merryweather Saw	Peb. Peb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Jan. Aug. Mar. Jan. Nov. Sept.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234 172 232
Gage and Deep-throat Micrometer, Lufkin Depth Gage and Lead Checker, Pitch-diameter Gage and Squareness Thread-checking Gage and Squareness Thread-checking Fixture, P&W Electrolimit Gage-blocks, DoALL Torque Screw- driver for Assembling Gage-blocks, How to Calibrate Your. Frederick O. Hutchinson Gage-blocks Made to Newly Established Standards, DoALL Gage, Bryant Portable Groove Gage Checks Wide Range of Tapers, Ad- justable. W. M. Halliday Gage, Federal Flatness. Gage for Bores and Gages for Checking Bearing Sleeves and Compression Blades, Parallelism Air Gage for Checking and Sorting Push- rods, Federal Gage for Checking Jet-engine Stator Blades, Federal Automatic Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Bolt Stretch Under Tension, Air Gage for Measuring Spacing Between Calender Rolls, Federal Air Gage for Gradilly Ground Cutters, Sight. H. J. Gerber Gage Gage Set for Testing Micrometers, Mikemaster Gage Stamps Code Letter on Pistons, Electronic Measurement Gage, Stur-D-Aire Amplifer for Air	Dec. Feb. Mar. July Jan. Oct. Oct. Jeb. Jan. Dec. Aug. Aug. May Apr. May Cot. Oct. Sept.	220 216 217 160 232 216 209 233 222 190 208 210 208 210 240 240 228 195 252 252 227 242 305	Gear-cutting Machine, Cabinet Model Pinion- and Gear-cutting Machines and Shaper, Gould & Eberhardt. Gear Dimensions from Easily Made Measurements, Formulas for Calcu- lating Replacement Helical Gear-drive and Stator-blade Carrier Assemblies, Sheffield Gages for Checking. Gear Finishing, Gerac—A New Method of. Fred Bohle Gear Generator Indexed by Counting Fringe Patterns, Guided Missile. Warren Ashenfelder Gear-grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Screw Machine Gear Grinding Machine and Automatic Gear Generator Indexed by Counting Screw Machine of "Unit-Construc- tion" Design. Automatic Gear-grinding Machines Rzeppa Constant Velocity Universal Joints Gear-hobbing Machines, Automatic Gear-hobbing Machine, Lees-Bradner Automatic Gear-hobbing Machine of "Alternate" Design, Hamilton Gear-hotor, Reliance. Gear Production Equipment and Broach- ing Machine, Red Ring. Gear Reduction Unit, Haxton "Little Giant" Gear Shapers, Automation-equipped "Shear-Speed" Gear Shapers, Automatic Loader, Internal Rotary Gear-shaving Machine for Crown- shaving Extra-large Gears, Red Ring Rotary Gear-shaving Machine, Improved Red	Sept. Jan. Oct. Jan. July Sept. Sept. Nov. Sept. Sept. Aug. Apr. Aug. July Apr.	276 211 234 142 200 208 208 209 213 236 213 202 195 211 246 193 229 209 214 220	Motor for Motch & Merryweather Saw.  New Insulation Applied to Improved Direct-current Armored Motors Direct-current Motors and Genera- tors  Plastic Compressor Blades for Jet Engines Service Panels Standard and Severe Duly Motors Laminate in Automatic Production of Electronic Equipment How to Use Carbide Tools in Ma- chining Titanium Soldering Combined with Press Operation Supersonic Wind Tunnel Tests Jet- engine Components "3-in-1" Plant Makes Standard and Special Electric Motors Honeycomb Materials Reduce Weight of Jet Engines Induction Heating Streamlines Pro- duction-brazing Practices Totally Enclosed Shaded-pole Motor General Mills, Inc. Exacting Precision Requirements Met by Special Tooling General Motors Corporation: More and Better Tools for a Bigger Job Industry-sponsored Scholarship Program Short Drills Reduce Costs on Spe- cial Machine Generators, Geseral Electric Direct- current Motors and Geneva Wheel, Blocking Device for a. W. Poot. Gen Tool-holders and Adapters Geometric Tool Co.: Supermetric Chasers	Peb. Peb. Mar. Apr. Apr. Apr. May May May May June July Aug. June Jan. Aug. Mar. Jan. Nov. Sept.	219 223 234 172 226 254 161 164 169 248 186 203 150 211 148 190 146 170 234 172 232

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nions	May	182	Grinder, Gaging Unit, and Chucks; Sur-			Grinding Machines, Automatic Gear		
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played at Machine Tool Show Horizontal Boring, Drilling, and	Sept	. 272	Grinder, Planet Slot	Apr.	219	Grinding Machines, Cincinnati Improved Universal	June	209
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Davis Tools			Face	May	216	Grinding Machines, Improved Abrasive-		. 222
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Reduction Gear	Aug	. 193	Grinder, Wesson Poweramic Carbide			Lathes, Optical Comparators, and	Sept	. 306
Gisholt Machine Co.: Masterline Series of Machine Tools	Sept	. 184	Tool	Aug.	222	Grinding Machines, Landis Universal and Plain Cylindrical	Nov	202
Accurate Contouring with Versatile Hydraulic Tracer	Dec	152	Grinders, Abrasive Wheels for Portable Grinders, Automatic Control for Plunge		226	Grinding Machines, Norton Grinding Machines, Thompson Surface	Sept	. 252
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Gorton Machine Co., George:	Dec.	143	Grinding and Gaging V-8 Crankshafts, Landis Integrated Production Line			Differential Screw Assembly for a Slide	Oct.	205
Mastermil Vertical Milling Machine with Turret Type Swivel-head	Sent	904	for	June	202	Simple Gear Drive for a Polariscope	May	180
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Gould & Eberhardt, Inc.: Gear-cutting Machines and Shaper	Sept	276	Grinding Angles and Rounded Corners, Fixture for Use in. J. Randolph Lucas	Aug.	198	mula for Checking V-shaped	July	211
Gould, R. K.: Know Your Cutting Fluids:			Grinding Attachment for Moore Jig Grinder, Slot	-		Roy Automatic Slotting and Deburr-		
1			Grinding Attachment, Royal Oak Inter-			ing Machine	Sept.	338
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Grinder			Grinding Machine, Van Norman Center-			cal Parts		
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tion and Flamatic	Mar	. 195	Intermittent Rotation for Instrument Pointers	June	189	Turret Drilling and Tapping Ma- chine	Man	202
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Lead Checker, Pitch-diameter Gage and Dec. 220 Lead Checker, Pitch-diameter Gage and Dec. 220 Lead-screws Ground from the Solid, Precision. M. C. Sulander and W. F. Spierling	spindle Automatics, Turret	Oct.	230		Dec.	186	Loading Truck, Docker Shipping and	Man.	100
ear-pitch Screws — Jule 179 Lead-screws Ground from the Solid, Foundry Co.: Lathe, Axelson Heavy-duty Engine — Oct. 224 Precision. M. C. Sulander and W. F. — Cut-off Machine Designed for Auto-mation — Feb. 221		Turn -	195	Lead Checker, Pitch-diameter Gage and				may	190
Lathe, Boye & Emmes Engine Sept. 253 Spierling May 146 mation Feb. 221				Lead-screws Ground from the Solid,			Foundry Co.:		
					24.			-	
15	Laure, Doye & Emmes Engine	sept.	493		saay	140	mation	Feb.	221

Locating Dimensions for a Tube-bending			Machine Tools, Exacting Precision Re-			Measuring Instrument, Summit-Roberts	*	0.41
Fixture and an Assembly Drill Jig, Calculating. Jay N. Edmondson	Feb.	203	quirements Met by Special. Walter McCadden	June	148	Measuring Instruments and Tool-room	July	241
Location of Holes on a Precision In-			Machine Tools Guided by Magnetic Tape	June	195	Equipment, Brown & Sharpe Precision	Mar.	. 20
spection Fixture	Apr.	214	Machine Tools, Mass Production of.			Measuring Machine, Moore Universal		
Location of Three Holes by the Disc Method, Accurate. Jay N. Edmondson	Mar	999	Edgar Altholz	May	131	Measuring Machine, New England Air-		991
Lock-nuts, Standard Pressed Steel	mar	232	Relies on	Sept.	207	foil	mar.	. 221
High-strength Bolts and	Feb.	224	Machine Tools, The Pace of Tomorrow			Inspecting, etc.		
Lodge & Shipley Co.:	-	200	in. M. A. Hollengreen	Sept.	182	Measuring Small Displacements, Posi-	-	
Lathes and Sheet-metal Equipment Copymatic and Powerturn Lathes			Machinery & Allied Products Institute: Internal Revenue Rulings on Leas-			tion-sensitive Transducers for Measuring Surface Roughness, Instru-	Dec.	228
High-speed Heavy-duty Power Shear			ing of Industrial Equipment	Nov.	254	ment for	May	200
Logan Engineering Co.;			Machinery & Co., W. F.:			Measuring Tapers without Removing		
Vertical Milling Machine	May	214	Scripta Three-dimensional Engrav-	¥	000	Work from Machine, Taper-Mike for	Feb.	227
Logansport Machine Co., Inc.: Logansquare Air Cylinders	Sept.	329	ing Machine	June	220	Measuring Wall Thicknesses with a Micrometer. George G. Herzl	Dec.	200
Ultra-mation Heavy-duty Cylinders			Bliss Co.:			Mechanism for Effecting a Varying	Dec.	200
"Lorco 300" Heavy-duty Tumbling				Nov.	185	Reciprocating Motion. L. Kasper	Oct.	200
Barrels Lord Chemical Corporation:	Apr.	238	Electrically Controlled Roll Lathe	D	204	Mechanism, Piloted Feed-control. Jean	-	
"Lorco 300" Heavy-duty Tumbling			for Contour Turning	Dec.	204	Siriex		190
Barrels	Apr.	238	Power Screwdrivers and Nutrunners			Adjustable Stroke, Slide. S. P. Gould		193
Lo-Swing Automation Installations	Sept.	289	Equipped with Magnetic Clutch			Medaris, J. B.:		
Lovejoy Flexible Coupling Co.: Variable-speed Pulley for Limited			Magnesium Alloys, Machining Magnetic Analysis Corporation:	Feb.	242	Ordnance Production Relies on Ma-	Cont	201
Space Applications	Dec.	240	All-inclusive Testing of Tubing at			chine Tools	sept.	200
Lub-Air-Ator Air Filter, Regulator,			250 Feet per Minute	Jan.	153	Vacuum	Jan.	240
and Lubricator, Schrader			Magnetic Base, Portable Light with	Oct.	250	Melting, Improved Alloys Produced by		
Lubricant, Rockwell Valve Lubricants Now Available, Silicone	Oct.	238	Magnetic Chuck, see Chuck			Vacuum	June	199
Fluid and Grease	Jan.	169	Magnetic Tape, Machine Tools Guided by	June	195	electrode Vacuum	Dec.	173
Lubricants, Oils, and Greases; Additive			Magnetic Tape, see Tape	June	100	Menkin, Burnett:		
for Industrial	Aug.	174	Magnifier, Enco Magnetic Base	Mar.	225	Combined Single- and Double-action		
Lubricates Punches, Oakite Soluble Oil in Sponge	Feb	284	Mallory-Sharon Titanium Corporation:			Die Produces Two Shells in One	Das	100
Lubricating and Solubility Properties,	reo.	204	Highly Stable Titanium Alloy for Elevated Temperature Use	Ton	160	Operation	Dec.	196
Organo-silicone Compounds with	Feb.	176	Management, see System	Jaut.	109	ing. Lyle Boarts and Eugene Searcy	Jan.	162
Lubricating Film Provides Protection			Man-Au-Cycle Corporation of America:			Mesh Type Abrasive Product Resists		
to Metal Surfaces, Thin Lubricating Gears, Farval Spray Panel	Nov.	177	Automatic Threading Lathe	June	213	Filling and Loading "Metagrip 3799" Quick-drying Cement	Nov.	177
for	Jan.	191	Manco Mfg. Co.: Dimpling Machine with Adjustable			Metal Cutting Tools, Inc.:	Dec.	100
Lubrication System for Presses, Clear-			Heat and Thrust Ranges	Feb.	232	Metcut Pin-mounted Core-drill	Mar.	213
Flo	July	218	Mandrels for Tube Bending, Low-cost	Dec.	151	"Metal Monitor" for Checking Metals	July	217
Lubricator, Schrader Lub-Air-Ator Air Filter, Regulator, and	Sept.	950	Mandrels, Miniature	Feb.	225	Metal, One-part High-strength Epoxy	m.L	1 201
Lubricator, Wavometer Equipped with	sept.	220	Mandrels, Nylon Tube-bending Manifold for Presses, Clearing Air	July	212	Adhesive Bonds	reb.	177
Automatic	Feb.	220	Control	Aug.	222	Metal-sheet Feeder, Dexter	Aug.	216
Lubrikit Assortment of Oil-cups	Jan.	208	Manifolds, Cross Transfer-matic Built			Metals, Emulsion Cleaner for Ferrous		
Lucas, J. Randolph: Fixture for Use in Grinding Angles			to Machine Automobile V-8 Exhaust	Aug.	206	and Non-ferrous	Nov.	177
and Rounded Corners	Aug.	198	Manifolds, Snyder Transfer Machine	A	994	ment for Joining	Dec	186
Lufkin Rule Co.:			for Processing	Mar.	241	Metallizing Engineering Co., Inc:	200.	100
Portable Light with Magnetic Base	Oct.	250	Margo, B. A.:			METCO Control Panel	Apr.	231
Planer Gages, Magnetic Hold-downs,	Pak	995	A New Approach to Machine Replace-			Metallizing Integrated in Valve		177
and Pocket Scriber	Feb.	232	ment	Nov.	146	Making		
Depth Gage and Deep-throat Mi-			Process for	Apr.	209	Metallurgical Products Department of	and.	
crometer	June	238	Martin Co., Glenn L.:			General Electric Co.:		
			Tool-holder Used in Grinding Twenty			Tool-holder for "Throw-away"	a	904
			Single-point Cutters at One Time Light Bomber Hangs on "Garden	Nov.	150	"Throw-away" Blanks for Steel-	sept.	290
Mc			Gate"	July	154	cutting Tools	Oct.	220
			Martin, L. D.:			Cemented Oxide Tools Show Promise		
McCadden, Walter: Exacting Precision Requirements			The ABC's of Designing Injection-			of Increasing Cutting Speed Ranges Sintered Carbide Structure Bonded	Dec.	172
Met by Special Tooling	June	148	Inspecting Injection-molded Nylon	NOV.	191	to Steel Surfaces	Feb.	175
McDonnell Aircraft Corporation:	-		Gears	Dec.	162	Carbide for Milling High Tensile		
Radioactive Agent Employed as			Martin, R. J.:			Strength Cast Irons	June	176
Safety Device McDonough Mfg. Co.:	July	203	How Much Torque Is Needed for	***	100	Easy-to-grind High-titanium Car- bide Indicates Long Tool Life	Aug	174
Sterling Drill Grinder	May	216	Threading Bolts and Pipe? Maserati Corporation:	mar.	182	Metalworking Machines, New Line of	Aug.	114
McElgin, James:			Caser Radial Drilling Machines	Feb.	214	King	Sept.	264
Cold Cleaners for the Metalworking			Masterline Series of Machine Tools,			Metalworking Shop, Cold Cleaners for		
McElgin, James, Obituary of			Gisholt	Sept.	184	METCO Control Panel		
McGinnia, J. L.:	. 00.	200	Masterline Turret Lathes, Gisholt Mastermil Vertical Milling Machine	July	**3	Metcut Pin-mounted Core-drill	Mar.	213
Multi-purpose Machines Meet			with Turret Type Swivel-head	Sept.	294	"Method X" Tool Sharpening Machine,		
Varied Production Needs	July	166	Master-Mill, Kempsmith Knee Type	Sept.	234	Ex-Cell-O	Feb.	215
McKay Co.: Non-sparking Non-magnetic Welded			Match-plate Metal Now Employed for Castings	Pak	177	Metlab Co.: Annealing Large Stainless-steel		
Aluminum Chain	Jan.	169	Mathieson Chemical Corporation, Olin:	reb.	111	Weldments ,	Feb.	163
Low-hydrogen Iron-powder Electrode	Feb.	225	Shure-Set Fastening Tool	June	240	Michigan Drill Head Co.:		
			Mattison Machine Works:				Oct.	215
			Combination Way and Surface Grinding Machine	Sant	997	Special Machine for Processing		
M			Drum Type Fixture Holds Work on	sept.		Adapter Plates	Nov.	205
			Double-disc Grinding Machine	Oct.	191	plement Pump Bodies	Dec.	212
Machine Builders Facilitates Aircraft			Heavy-duty Face Grinders with			Dial Type Machine with Work-testing		
Manufacture, Ingenuity of. Frederick W. Conant	Comt	990	Traveling Wheel	May	202		Jan.	184
Machine Replacement, A New Approach	sept.	***	Channel-shaped Grinding Fixture	July	210	Special Processing Machine for V-8 Engine Crankshafts	Jan.	193
to. B. A. Margo	Nov.	146	Supports Gib Backing Strip			Special Three-column Tripple-head		
Machine Shop, Isotopes in the. Charles			Mauser Stainless-steel Vernier Caliper	Feb.	230	Milling Machine	Feb.	208
Machine Tool Industry Has Contributed	NOV.	139	"MC-Mold and Cavity Steel," Medium- carbon-alloy Die Steel Called	May	160	Double-end Trunnion Type Boring	A	910
Greatly to Industrial Progress. Harold			Measure Tool Wear in Metal-cutting,		100	Machine	Apr.	419
R. Foss	Sept.	248	Radio-isotopes. Robert T. Hook	Nov.	141	drilling Machine	May	194
Machine Tool Industry, Prosperous			Measurement by Light Wave, Inter-			Special Three-way Milling, Drilling		
1956 for the	Jan.	121	Measuring and Inspection Fouriers	mar.	190		May	203
D. W. Cameron			Measuring and Inspection Equipment,		VI.	Machine for Processing V-8 Clutch	Y	206
	Sept.	268		Sent	221	Housings		
Machine Tools—An Important Factor in			Optical			Compact Transfer Machine for		
Air Supremacy	Sept.		Optical Measuring Equipment, Engis	Mar.	222	Compact Transfer Machine for Processing Camshafts	July	
	Sept.	198	Optical	Mar. Mar.	222 211	Compact Transfer Machine for	July	217

Little "Giant" Automated Drilling,			Milling Machine, Mill-M-Matic Bed			Modern Machine Tool Co.:		
Chamfering, and Tapping Machine	Aug.	216	Type Production		197	Automatic Bar Feeder	Mar.	240
Michigan Tool Co.:	-		Milling Machine, Motch & Merryweather			Modernization Programs, Machine Tool.		
Gear-O-Mation Featured at Machine			Double Duplex	July	215	D. W. Cameron	Sept.	268
Tool Show	Sept	202	Milling Machine, Onsrud	Sept	. 195	Mogul Balancing Machine	May	203
Automation-equipped "Shear-Speed"	Oct.	211	ing and		196	Injection	Jan	188
Gear Shapers	Dec.	209	Milling Machine, Profile	Apr.	244	Molding Machine, Injection	Aug.	212
Underpass Gear-shaving Machine			Milling Machine, Rack-milling Attach-			Molding Machine, Plastics	Mar.	250
Automatic Three-way Gear Clas-			ment for Greaves Horizontal	Feb.	209	Molding Machine, Watson-Stillman In-		
Roto-Fio Spline- and Thread-rolling	Apr.	231	Milling Machine, Roll Follower for a	34000	105	jection	Apr.	223
Machine	Ang	205	Vertical, J. U. Bergmark	мау	185	Molding Press, H-P-M Plastics Injec- tion	Mon	910
Micro-Drill, Dumore Precision	June.	213	Three-dimensional	Apr.	226	Molding Press; Rodgers Drawing, Form-	MOA.	210
Microflat Honing Equipment, Hydrohoner			Milling Machine, Sig Cam	Oct.	217	ing, and	Aug.	206
and	Sept.	246	Milling Machine, "Sky Hook" Speeds			Molding Press, Stokes Toggle Type	Dec.	219
Microformers for Measuring Small	_		Cutter Setup on	Nov.	188	Moline Tool Co.:		
Displacements, Baldwin	Dec.	228	Milling Machine, Slotting Attachment	140-	000	Line of Drilling Machines		
Hydrohoner and Microflat Honing			for Greaves	mar	. 238	Drilling Machine	Mar.	244
Equipment	Sept.	246	Triple-head	Feb.	208	Molloy, Clifford: Rivet-head Chisel	Nov	195
Surface Finishes-Motion Picture			Milling Machine, Tree Vertical	Mar	. 210	Accumulator Reduces Cylinder Air		
Heavy-duty Microhoning Machine	Mar.	248	Milling Machine, Turret Lathe, and Red			Consumption	Feb.	201
Micrometer, Bench	Jan.	204	Arrow Collets; South Bend Vertical			Molybdenum Wire, Improved		
Micrometer, Hole Saw, Dial Indicators, and Radius Gages; Starrett	Sant	399	Milling Machine, Vertical Milling Machine with Indexing Spindle,	мау	214	Mona-Matic Lathe, Monarch	Nov.	203
Micrometer, Lufkin Depth Gage and	Sept.		Quartet	Jan.	187	Monarch Machine Tool Co.: Chucking Lathe with Automatic Cycle		
Deep-throat	June	238	Milling Machine with Quill Adjustable	own.	20.	Control		295
Micrometer, Starrett Mul-T-Anvil	Mar.	226	Cutter-head, Van Norman Ram Type	Sept.	. 312	Mona-Matic Lathe		
Micrometers, Mikemaster Gage Set for			Milling Machine with Turret Type			Numerical Sequence Programmer	Dec.	215
Testing		228	Swivel-head, Mastermil Vertical	Sept.	. 294	"Ring-Seal" Tube Fittings	Dec.	226
Micrometrical Development Corporation Proficorder		288	Milling Machines and Accessories,	Cont	055	Lathe Equipped for Machinability		
Micrometrical Mfg. Co.:	bept.	200	Grinding and	sept,	. 200	Testing and Lathe with Automatic	Inn	105
Checking Unit Sorts Parts Automat-			Head, Nichols	Mar	210	New Series Preselector Dyna-Shift	Jan.	160
ically According to Surface			Milling Machines and VMA Shapers,			Lathes	Jan.	198
Roughness	Jan.	202	SAJO	Mar.	198	Heavy-duty Dyna-Shift Lathe	Feb.	207
Wavometer Equipped with Automatic	w.L	200	Milling Machines, Automatic Keyway			Quik-Tool Attachment for Monarch		
Lubricator			and Slot	Mar.	216	Lathes	Feb.	218
Roughness Measuring Equipment Versatile Tracer for Profilometer	Anr	224	Milling Machines, Barker	Mar.	208	Electrical Preselector for Precision		
Micronic Filter, Cuno Cleanable			Type Sliding-head	Oct	221	Lathe	Apr.	223
Micro-Positioner Corporation:			Milling Machines, Cincinnati Contour-	000		Mechanism for Lathe	Apr.	250
Tape-controlled Indexing Table	July	227	master Tool and Die	Jan.	201	Cutting Production Costs with	reps.	-
Microptic Circular Table Projection		-	Milling Machine, Cincinnati Powermatic	July	221	Tracer-turning	May	155
Unit			Milling Machines, Giddings & Lewis			Moore Special Tool Co., Inc.:		
Microtomatic Machine Speeds Transistor		200	Boring, Drilling, and	Sept.	272	Slot-grinding Attachment for Jig		
Production, DoALL		183	Milling Machines; Indexing Type, High- production Drilling and	May	206	Grinder Universal Measuring Machine	Oct.	250
Microtomatic Precision Slicing Machine			Milling Machines, Motch & Merryweather	r	200	Morey Machinery Co., Inc.:	mar.	194
MICROtrol Automatic Control for			Sawing and	Sept.	254	Sig Cam-milling Machine	Oct.	217
Plunge-feed Grinders	Aug.	238	Milling Machines, Precision Dividing			Profile Milling Machine	Apr.	244
Mikemaster Gage Set for Testing Mi-	Man	990	Heads for Cincinnati Universal	Apr.	230	Morgan, Claude R.:		
Mill, see also End-mill	May	220	Milling Machines, Quartet and Power-	Man	200	Cutter and Coolant Influence Screw		
Miller Fluid Power Co.:			Milling Machines, U. S. Burke			Machine Design	Jan.	160
Power Cylinders	Mar.	196	Milling Odd-shaped Parts, Plastic Vacu-		000	Morris Machine Tool Co.:	Jan,	204
Millers Falls Co.:			um Fixture for	Dec.	155	Radial Drill, Drill Unit, Balancing		
Deep-Cut Hole Saws	May	228	Milling Operation on Automotive Parts,			Machine, and High-speed Produc-		
Milling and Boring Operations, Practi- cal Tooling Expedites. R. Kennedy	Pah	100	Boring Machine Equipped for Con-			tion Machine	Nov.	200
Milling and Center-drilling, Machine	reu.	190	tinuous	Aug.	217	Morson, William:		
for	May	202	Milling, Precision Boring, and Special Machines; Kearney & Trecker	Sent	980	Simple Extractor for Gib-head Keys Driving Mechanism Prevents Re-	мау	186
Milling, and Reaming Titanium and			Milling Speeds Output of Die-blocks,	sept.	200	verse Movement of Driven Shaft	Aug	194
Titanium Alloys; Drilling,	Apr.	163	Carbide, Carl Latora	Apr.	188	Morton Co.:	roug.	101
Milling and Threading Machine, Index-			Milling Spindles, Heavy-duty	Aug.	228	Shear-Weld-Trimmer	Nov.	201
ing Type Hollow-	Feb.	213	Milling Table, Palmgren Tilting Rotary			Motch & Merryweather Machinery Co.:		
Milling and Turning Equipment, Sund- strand	Sont	908	Indexing Type	Nov.	219	Sawing and Milling Machines	Sept.	254
Milling Attachment for Automatic	bept.	300	Milling Unit, Three-dimensional Tracer Mill-Matic for Machining Jet-engine	Apr.	233	Mill-M-Matic Bed Type Production	100	108
Screw Machines	Mar.	252	Components, Producto Index	July	225	Milling Machine	Fah.	197
Milling Attachments, Greaves			Mill-M-Matic Bed Type Production			Cutting Coolant and Tools		
Milling Cutters, and Special Tools, Ex-			Milling Machine	Jan.	197	Double-end Transfer Machine	Apr.	235
Cell-O Broaches,	Nov.	221	Mil-waukee-Mil Bed Type Milling Ma-			Machine for Milling and Center-		
Milling Cutters, see Cutters Milling, Drilling, and Tapping Machine;			Minneapolis-Honeywell Regulator Co.:	Sept.	280	drilling	May	202
Special Three-way	May	203	Drilling Control Panels at the Turn			Double Duplex Milling Machine	July	215
Milling Fixture Automatically Clamps				Feb.	204	Motion Pictures, Industrial: "To Enrich Mankind"—dramatizing		
and Releases Small Work, Alex S.			of a Dial	. 50.	201	mechanical engineering profession	Oct.	270
Arnott	Jan.	176	cilitates Drilling Accurately Posi-			"This is Automation"	Jan.	166
Milling Heads, Kwik-Switch Spindle for			tioned Holes	May	199	"Progress in Precision"	Jan.	236
Bridgeport	reb.	238	Minnesota Mining & Mfg. Co.:			"U. S. Multi-slides for the Produc-		
Carbide for		176	Mesh Type Abrasive Product Re-	Mon	100	"Ductile Cast Iron"	Jan.	236
Milling Jet-engine Components, Index	- and		sists Filling and Loading	MOA.	111	"Ductile Cast Iron" "William Johnson and the Draggin"	Feb.	258
Mill-Matic Equipped for	July	225	Finishing	Apr	230	"Zinc Controls Corrosion"	Apr	215
Milling Machine and Attachments,			Minster Machine Co.:			"A Modern Fable"	Apr	276
Greaves	Nov.	214	Presses with Provisions for Quick			"The Leading Role"	July	
Milling Machine and Bar Automatic,	0		Installation	Sept.	225	Film on Making Carbide Tools	July	272
Greenlee Auger-bit	Sept.	215	"Minute Brake" Develops 2 1/4 Tons			Motor, Allis-Chalmers Synduction		
Milling Machine, Axelson Three-dimen- sional	Aug.	213		Dec.	221	Motor, Explosion-proof	May	224
Milling Machine Built Around Indexing	redg.	-20	"Minute Man" Push Type Broaches,	Mar	225	Motor for Motch & Merryweather Saw, General Electric	Feb.	219
Table, Automatic	Jan.	151		Mar.	220	Motor, G-E Totally Enclosed Shaded-	r eu.	-19
Milling Machine, Cincinnati Dial Type	Nov.	208	"Minute Man" Push Type Hexagon Broach	Dec.	240	pole	Aug.	
Milling Machine, Dial Type Universal	May	197	Mitts & Merrill:	200.	2.00	Motor, Oscillating Torque	Mar.	
Milling Machine Equipped for Stake-	A	910	Keyseating Machine	Oct	228	Motors and Generators, General Elec-		
notching Operation on Projectiles Milling Machine, Giddings & Lewis	Aug.	213	Modern Industrial Engineering Co.:	oct.	040	Motors Built to Reduce Starting Shock	Mar.	
Horizontal Boring, Drilling, and	Nov	212	Burr-Master Automatic Deburring			Motors, General Electric Fractional-	Feb.	424
Milling Machine Handles Jet Bomber			Machines for Internal and External			horsepower	Dec.	222
Panels, Large Skin	Nov.	184	Gears	Dec.	202	Motors, G-E Standard and Severe Duty	Apr.	
Milling Machine, Hanson-Whitney Hy-			Machine for Burring and Chamfering			Motors, New Insulation Applied to G-E		
draulic Thread-	Sept.	235	Hypoid Gear Teeth	Mar.	211	Improved Direct-current Armored	Feb.	223
Milling Machine, Kempsmith Knee Type			Burr-Master Duplex Gear-chamfer- ing Machine	Ane	237	Motors, "3-in-1" Plant Makes Standard	June	100
Milling Machine, Kent-Owens	sept.	~		pt .	201	and Special Electric	June	- 40
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Motors with Extruded Plastic Insula-	Yuma	910	New Hermes Engraving Machine, Cor-			Oakite Products of Canada, Ltd.:	3400	. 004
Mul-T-Anvil Micrometer, Starrett	Mar	236	poration: Electric Arc Etching Attachment	June	222	Rustripper	Mar	. 224
Multicut Carbide Insert Tool, Wesson	June	240	"New Rycut 50" Steel	Dec.	186	Punches	Feb	. 264
Multicut Indexible Carbide Insert Tool-			Niagara Machine & Tool Works:			Ogden, Robert B.:		
holders	Mar	. 252	Presses, Shears, and Press Brakes Rotary Sheet Metalworking Machine	Sept.	271	Reciprocating Drive Functions	Feb	107
Wesson	Aug.		and Multi-drive Power Table	Oct.	224	Around Roller Chain	Aug	211
Multi-Max Presses Equipped with Air-			Gap-frame double-crank Presses			Oil-cups, Lubrikit Assortment of	Jan.	208
operated Clutch and Brake	June	212	for Work Requiring Long Dies	Nov.	211	Oil Derrick Put to Work at Plating		
Multipress and Hydraulic Equipment,			Styleline Deep-throat Presses	Feb.	215	Plant	Nov	. 163
Multi-purpose Machines Meet Varied	sept	. 263	Metalworker's Snips and Shears Single-crank Straight-side Presses	May	207	Oil-dispensing and Sump-cleaning Ma- chine, Carnes	Oct	220
Production Needs, J. L. McGinnis	July	166	Slip Roll Forming Machine			Oilgear Co.:		
Multra Corporation:	-		Sheet-metal Folders and Brakes			Large Size Hydraulic Cylinder	Oct.	228
Plexibility Featured in Automatic			Front-operated Power Back-gage			Hydraulic Press Cylinder	Mar	. 252
Assembly Machine	May	242	for Press Brakes Nichols-Morris Corporation:	Aug.	209	Oil-hydraulic Power Units, Light-duty Oil with Lubrication and Rust-preven-	Oct.	. 229
Munschauer, Frederick E., Obituary of	Jan.	236	Milling Machines and Ellis Dividing			tion Properties, Penetrating	Apr	. 186
Murray-Way Corporation:			Head	Mar.	210	Oiling System for Press Operations,		
Polisher for Wide Work	June	222	Nickel Alloy Cast Metal That Is Ductile,		100	Stock-	May	216
Myke-A-Trol Electronic Control Unit	June	224	Nickel Brazing Alloys for High-temper-	Dec.	180	Oliver Instrument Co.: Face-mill Grinder	Cani	990
			ature Service, High	May	160	Olsen Testing Machine Co., Tinius:	Sept	. 260
			Nickel-plating Process with High Level-			Portable Balancing Machine	Nov	. 209
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Nagelis, Oscar:			Nicolosi, Robert V.: Elements of Cam Design:			Typewriter for Recording Test Results	Dec	991
Cam-jaw Chucks for Twisting Rod		181	1	Aug.	184	Single-purpose Impact Tester	Jan.	188
Natco Multiple-spindle Drilling and Tap-		000	Nicrobraz Stainless-steel Brazing Alloy			Balancing and Hardness Testing		
ping Machines National Acme Co.:	Sept	. 302	in Paste Form	Apr.	187	Equipment	Mar	. 224
Bar Automatics for High-production			Niles Giant-size Convertible Planer Built to Machine Huge Castings	Jan	182	O'Neil-Irwin Mig. Co.:		
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Acme-Ryder Multiple-spindle Ver-			Nilco Gages	Mar.	223	Onsrud Cutter Mfg. Co.:		
tical Chucking Machine	Apr.	216	Nord Corporation:			Carbide-tipped Spiral Cutters	Feb	. 226
Self-opening Thread-rolling Heads National Automatic Tool Co.:	Apr.	240	Multi-purpose Power Sheet-metal	Oct	210	Onsrud Machine Works, Inc.:	0	***
Multiple-spindle Drilling and Tap-			Cutter Nordberg Mfg. Co.:	OCL,	210	Milling Machine	sept	. 195
ping Machine	Sept	. 302	"Squirt Welding" Accelerates Fab-			Jet Bomber Panels		. 184
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finements	June	151	North American Aviation, Inc.:			Checked by	May	162
Red Ring Gear Production Equip-			Merry-Go-Rounds Speed Rubber Forming	Jan	162	Optical Comparator, Covel Grinding Machines and	Sont	270
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Contour	May	205	Reamers, Tomkins-Johnson Replaceable Head	Aug.	246	Corporation: Heavy-duty Clutches	Jan.	204
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Proto-turning, Rotary Cutters Used in			Rear-axle Housings, Automated Stamp- ing of. Charles H. Wick			Heavy-duty Hy-Draulic Planer with		
Pulley for Limited Space Applications, Lovejoy Variable-speed	Dec.	240	Reciprocating Drive Functions Around			Rockwell Mfg. Co.:		
Pullmax Trimmer for Edge-trimming Large Stampings			Roller Chain, Robert B. Ogden Reciprocating Motion, Mechanism for	Feb.	197	Valve Lubricant	Oct.	238
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Processing Oil-	June Feb.	234	Red Arrow Precision Collets			Roll Follower for a Vertical Milling		
Pump, Sutton Coolant			Red Ring Automatic Gear Checking and Sorting Machine	Oct.	228	Machine. J. U. Bergmark Roll Forming Machine, Slip	May	185
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Oscillating Torque Motor Rottler Boring Bar Co.:	Mar.	226	Sawing on Contour-matic, DoALL Auto-	Mon	210	Abrasive	May	200
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Roughness, Checking Unit Sorts Parts Automatically According to Surface	Ian	202	Scaling Enlarged Drawings to Actual			Selling Is the Big Problem Now That the		
Roughness, Instrument for Measuring			Size by the Photo-process. George G. Herzl	May	186	Shows Are Over, Charles O. Herb Seneca Falls Machine Co.:	Oct.	153
Surface	May	208	Schaublin Lathes, Cabinet Stand for	Mar.	237	Lo-Swing Automation Installations	Sept.	289
Rousselle Punch Presses Rowley, J. H.:	Mar.	223	Schauer Mfg. Corporation: Speed Lathes	Sent	230	Platen Type Automatic Lathes De- veloped to Handle a Wide Variety		
Round Drop-hammer Dies Provide			Schell, H. B.:	- Dopu	-	of Work	May	190
Important Economies	Apr.	183	Silent Ratchet Mechanism for Over- running Drive	Ion	171	Automatic Lathe Equipped for Spe-		226
Automatic Slotting and Deburring			Rotating Crank that Provides a	Jan.	AIL	cialized Production Job Separator and Filter, Delpark Magnetic	July	
Machine	Nov.	218	Dwell in Reciprocating Motion	Apr.	208	Separator and Filter, Magnetic Coolant	Feb.	
Internal Grinding Attachment	Mar.	198	Rotary Scrap-stripping Device Vibrating Roll Drive for Printing	may	179	Separator and Filter, Up-Flo Magnetic Sequence Programmer, Monarch Nu-	May	212
"RPMster" Drilling Machine and Bending Roll Adjusting Device,			Press Fountains	Aug.	195	merical	Dec.	215
Buffalo	Sept.	247	Scherr Co., George: Toolmaker's Microscope	Dec.	206	Serrations on Hardened Shafts, Buick Cold-forms. Charles H. Wick	Jan.	177
Rubber & Asbestos Corporation:			Bench Micrometer	Jan.	204	Service Machine Co.:		
One-part High-strength Epoxy Ad- hesive Bonds Metal	Feb.	177	Mauser Stainless-steel Vernier Caliper	Feb	230	Rousselle Punch Presses	Mar.	223
Rubber-to-Metal Bonding Process			Gram Spring Tension Gages	Aug.	210	Centering Reel for Press	Apr.	225
Rumco Centrifugal Pump	Feb.	238	Scherr Optical Tools, George: Optical Measuring and Inspection			Power-lift Coil Loader	Apr.	235
Russell, Burdsall & Ward Bolt and			Equipment	Sept.	221	Set-screws, Bristol Automatic Hopper	raug.	200
Nut Co.: Bolt Stresses Not Always Increased			Precision Optical Rotary Table Schrader's Son, Division of Scovill Mfg.	Dec.	238	Feed for	June	220
by External Loads	May	163	Co., Inc.:			age Units; Standard Pressed Steel Co.	Sept.	318
"Rust Chek"—A Rust-preventive Spray for Tools, Molds, and Dies	Aug	175	Lub-Air-Ator for Protection of Air- operated Tools, Cylinders and			Sets for Metal-cutting Band-saw Blades		
Rustripper, Oakite			Valves	Sept.	356	Sever-All Oscillating Cut-off Machine Shaded-pole Motor, G-E Totally En-	June	211
Ruthman Machinery Co.:	Pak	990	Air-operated Press	Aug.	223	closed	Aug.	211
Rumco Centrifugal Pump	res.	230	Sciaky Bros., Inc.: Air-operated Seam Welder	May	197	Shakeproof Power Screwdriver of Ver- satile Design	June	212
"Doing It Better"	Nov.	164	Resistance Welder with Precision			Shaper, Gould & Eberhardt Gear-cut-		
Building Power into Jet Engines Hot Parts for a Turbo-jet			Timing Control Scott Paper Co.:	мау	212		Sept.	
Ryerson & Son, Inc., Joseph T.:			Industrial Wiper	Sept.	296	Shaper-Planer, Rockford Heavy-duty		
Heat-treated or Annealed Lead- bearing Steel Available	Dec.	186	Paper Wipers	Mar.	250	Open-side Hydraulic	Nov.	219
Lead-bearing Free-machining Steel			Schell	May	179	Speed" Gear	Dec.	209
	Jan. Mar.		Screw Assembly for a Slide, Differential. Paul Grodzinski	Oct	205	Shapers, Press Brakes, and Shears;	Cant	210
New Color Identification System for			Screw Machine, and Horizontal Mill;	004	200	Shapers, SAJO Milling Machines and		
Rzeppa Constant Velocity Universal	Aug.	170	Elgin Precision Hydraulic Tracer Lathe, Hand	Oct	226	VMA		198
Joints	Dec.	236	Screw Machine Design, Cutter and			Sharpening Machine, Ex-Cell-O "Method X" Tool		215
			Coolant Influence, Claude R. Morgan Screw Machine, Gear-grinding Machine	Jan.	165	Shaver with Semi-automatic Loader,		
~			and Automatic	Sept.	208		Aug.	220
S			Screw Machine of "Unit-Construction"	Nov	200	Shaving Conical Involute Gears, New Process for	Oct.	169
Safe-Torque Tap Driver, Scully-Jones	June	236	Screw Machine Tools, B & S Hite-Set	1404.	200	Shaving Machine for Crown-shaving		
Safe-Torque Tap Drivers	Sept.	188	and	Dec.	236	Extra-large Gears, Red Ring Rotary Gear-	July	214
Safe-Torque Tap Drivers, Scully-Jones Saginaw Steering Gear Division of Gen-	Mar.	221		May	131	Shaving Machine for Producing-Thin-		
eral Motors Corporation:			Screw Machines, Milling Attachment			Tooth Sections in Flanks of Spur- gear Teeth	Mar.	235
"Frictionless" Design with Ball		150	for Automatic	Mar.	252	Shaving Machine, Improved Red Ring		
Bearing Screws and Splines SAJO Milling Machines and VMA	Apr.	199	Bar Machines			Gear Shaving Machine, Underpass Gear	Apr.	220
Shapers	Mar.	198	Screw-slotting Machine, Waterbury Farrel	Dec	206	Shear and Presses, Steelweld	Sept.	
Sales Managers, Talking With: School Bells Are Ringing	Sept.	360	Screw with Coarse Lead, Attachment			Shear, Lodge & Shipley High-speed Heavy-duty Power	July	222
Selecting Sales Engineering Person-			for Cutting a. H. J. Gerber Screws and Nylon Nuts, Tapping and As-	Dec.	198	Shear, Lodge & Shipley Power Press		
raining Sales Engineers To Seil	Oct.	211	sembling	Jan.	196	Brake and Squaring	Sept.	200
Quality	Nov.	197	Screws and Splines, "Frictionless" De- sign with Ball Bearing, David A.			"Shear-Speed" Gear Shapers, Automa- tion-equipped	Dec.	209
Manpower—An Ever-present Prob- lem	Dec	201	Galonska	Apr.	159	Shear-Weld-Trimmer, Morton	Nov.	201
Broadening the Product Lines	Jan.	181	Screws, Lathe Attachment for Cutting			Shear with Planing Attachment, Wagner Roller	Oct.	215
Success Stories-Key to Increased			Nonlinear-pitch	June	175	Shears, and Press Brakes; Niagara		
Sales Control Versus Sales Leader-	reb.	192	blocks, DoALL Torque			Presses, Shears; Cincinnati Shapers, Press	Sept.	271
ship	Mar.	231	Screwdrivers and Nutrunners Equipped	June	212	Brakes and	Sept.	218
Training Older Salesmen for Re- tirement	Apr.	199	with Magnetic Clutch, Torque-con-			Shears, Niagara Metalworker's Snips	Apr	262
A Hidden Barrier to Machinery			Scriber for Lathe Tailstock, Circle.	Oct.	272	and	Jugar.	200
Sales	Мау	177	John Homewood	Feb.	202	Federico Strasser	Aug.	197
ing	June		Scriber; Planer Gages, Magnetic Hold- downs, and Pocket			Sheet-metal Equipment, Lodge & Ship-	0	900
Thanks for Customer Criticismf Multiplying the Purpose of the	July	213	Scribing A Lay-out Line from a Rounded		688	ley Lathes and	sept.	200
Sales Call	Aug.	176	Corner, Richard M. Weber		200	Machines, Rolling. Herbert Chase	Jan.	154

Sheet-metalworking Machine and Multi- drive Power Table, Rotary	Oct.	224	Snagging Grinders, Variable-speed May 196 Stahl, E. P.: Snips and Shears, Niagara Metal- Selection, Care, and Installation of		
Sheet-metalworking Machine, Pullmax	Oct.	227	worker's Apr. 262 Anti-friction Bearings:		
Sheets, Tubes Blown into Solid Mill Sheffield Corporation: Form Grinders, Comparator, Thread		173	Snow Mfg. Co.: 1.  Nut Tapping Machines		
ing Unit, and Centering Machine		214	Machine Models on "Wheel of Auto- Series of Hardenable	Feb.	176
Gages for Checking Gear-drive and Stator-blade Carrier Assemblies	Oct.	234	mation"	Aug.	234
Precision to a Fraction of a Light Wave	Mar.	190	rating Segmented Automation Con- cept	Aug.	156
Yardsticks for Industry Shrink to a			Transfer Machine Processes Auto- Cooling or Double Aging	Nov.	176
Millionth of an Inch Thread-rolling Machine			Segmented Transfer Machine De- Increased Use of	June	188
Double-end Boring, Chamfering, Facing and Threading Machine	May	207	signed to Handle Work Without the Use of Pallets	Apr.	209
Micro-hardness Tester Air Gage for Measuring Bolt Stretch			Transfer Machine for Processing Stainless-steel Threads Cast into Gray		
Under Tension	Aug.	210	Two-way Precision Boring Machines May 192 Stainless-steel Tubing Available, Large-		
Sheldon Machine Co.: Sheldon and Sebastian Lathes	Sept.	260	Transfer Machine for Processing diameter Light-wall  Oil-pump Bodies		
Shell Oil Co.: Voluta Quenching Oil 23	Sept	239	Vertical-trunnion Index Machine July 229 Large, Horace C. Knerr	Feb.	163
Shells, Cross Lathe for Machining "Shield-Arc" Welder, Diesel-powered	Dec.	210	and Testing Cylinder Heads Aug. 214 Solder Alloys for Joining Dissimilar Stake-notching Operation on Projectiles,	Nov.	177
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May 170	Aug.	178	Soldering Equipment, Sonobond Flux- less		
Continuous	Aug.	172	Solenoid and Cover for Ross Valve Feb. 227 Stampings, Pullmax Trimmer for Edge-		
Shot-blasting Steel Strip, Gilbert D. Dill Show Time in Chicago, Charles O. Herb	Sept.	179	Solenoid Heads for Pilot-Master Valves, Hannifin	Mar.	199
Shure-Set Fastening Tool Sidney Machine Tool Co.:	June	240	Sonobond Fluxless Soldering Equipment June 240 Super-precision Grinding Wheel Sorts Parts Automatically According to Spindles	Oct	248
Lathes Feature Design Changes	Sept.	251	Surface Roughness, Checking Unit Jan. 202 Attachments Adapt Boring Machine		
Rotary Cutters Used in Proto- turning	Mar.	181	Sorting Push-rods, Federal Gage for Checking and	Dec.	226
Sig Cam-milling Machine	Oct. Sept.	217 255	South Bend Lathe Works: Precision Spindle, Slide and Feed Metalworking Equipment Sept, 303 Units	Mar.	206
Silicone Products Department of Gen- eral Electric Co.:			Soviet Industrial Plants, What an American Engineer Sav. in, Nevin L., Variable-speed Snagging Grinders Variable-speed Snagging Grinders	May	196
Silicone Rubber That Remains Flex-			Bean	May	100
ible at 600 Degrees F	Dec.	187	Spar Assembly for Martin Light Pitch-diameter Gage and Lead Checker	Dec.	220
Tensile and Tear Strengths	June	177	Raymond H. Spiotta July 154 "Check Master" Test Indicator Standard Heavy Semifinished Hexagon	Apr.	238
at 600 Degrees F	Dec.	187	Cradle and Straightener for Coiled Slotted Nuts, American (Data Sheet)	June	250
Silvercote Tempered Beryllium-copper wire	Jan.	170	Punch Press Feed June 204 (Data Sheet):		
Simex Abrasive Wheels for Portable Grinders	Feb.	226	Speed Mechanism for Monarch Lathe, Constant Surface-cutting	Feb.	
Simonds Abrasive Co.: Abrasive Wheels for Portable			Speed Reducer for Conveyor Drives Jan. 216 4 and 5	Ma Apr.	267
Grinders	Feb.	226	(Data Sheet): Standard Pressed Steel Co.:		
Simonds Saw & Steel Co.: Red Tang Files	Feb.	212	1 and 2	Sept.	318
Simplex Machine Tool Corporation: Precision Boring Machine	Mar.	213	Automated Red Ring Gear		
Sine Plates, Robbins Heavy-duty Sintox Corporation of America:	Mar.	223	"Speedy Driller" for Sheet-metal Parts Apr. 227 "Speedy Driller," Template-con- Storage Wall System for Stocking	Nov.	258
Ceramic Cutting Tool Material	Aug.	205	trolled Aug. 214 Small Parts		
Siriex, Jean: Piloted Feed-control Mechanism	Feb.	195	Spierling, M. C.: High-strength Bolts and Lock-nuts  Precision Lead-screws Ground from Preload Indicator for Hi-Psi Super		
Size Control Co.: Mikemaster Gage Set for Testing			the Solid	Aug.	210
Micrometers	May	228	Switch Feb. 238 (Data Sheet)	June	249
Compensating Power Chucks	May	224	sion Mar. 206 Wrench Openings	June	249
"Sky Hook" Speeds Cutter Setup on Milling Machine	Nov.	188	Spindles, Pope Boring, Grinding, and Milling	June	250
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Precision	Mar.	219	Spiotta, Raymond H.: Finished Hexagon and Hexagon-jam		
Slide Chart Simplifies Selection of Drill Bushings	Apr.	198	Diversified Machining Methods Shape  Jet-engine Blades Feb. 147  Regular Semifinished Hexagon and		
Slide, Differential Screw Assembly for a. Paul Grodzinski	Oct.	205	Martin Light Bomber Hangs on Hexagon-jam Nuts  "Garden Gate" July 154 Standards to a Millionth of an Inch		
Slide Feed with Straightener and Multi- roll Coil Cradle, Cabinet-mounted			Spiral Cutters, Onsrud Carbide-tipped. Feb. 226 Spiroid Gears—A New Development in Starbore Drill for Producing Holes		
Slide Feeds for Power Presses, Air-			Gears of the Skew-axis Type. Fred at High Feeding Rates	Mar.	224
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justable Stroke, S. P. Gould	Nov.	191	Split Ballbearing Corporation: Starlite Industries, Inc.: Thin-section Instrument Bearings Oct. 250  Starlite Industries, Inc.: Diamond Hand Files		
Woodruff Key-, L. W. Lazarick	Jan.	175	Sponge Lubricates Punches, Oakite Starloc, Inc.:	raug.	210
Slot-grinding Attachment for Moore Jig Grinder	Oct.	250	Soluble Oil in	Oct.	252
Slotter, Rockford Heavy-duty Hydraulic Slotter; Rockford Shaper, Planer and	Apr.	236	Spray for Tools, Molds, and Dies; A Starrett Co., L. S.:		
Slotting and Deburring Machine, Roy			Spray Painting Machine, Automatic July 224 Show		
Automatic			Spray Panel for Lubricating Gears, Farval Jan. 191 Starter, Clark Toggle Switch Motor Starter, Clark Toggle Switch	Feb.	226
Machine	Mar. Dec	238	Sprayer, Rotary Paint Dec. 218 Diesel. Edgar Altholz	June	157
Slotting Machine, Waterbury Farrel			Spring Cut from Tubing, Helical. H. J. Gerber Feb. 202 Stator-blade Carrier Assemblies, Shef- field Gages for Checking Gear-drive		
Screw			Spring Tension Gages, Gram Aug. 210 and	Oct.	234
Smith Corporation, A. O.:	Jan,	200	Spring Tester, Coats Precision Aug. 203 Stator Blades, Federal Automatic Gage for Checking Jet-engine	Dec.	208
Contour-rolling of Temperature Resistant Aircraft Components	July	180	Springfield Machine Tool Co.: Engine and Tool-room Lathe Oct. 225 Steel Available, Heat-treated or Annealed Lead-bearing		
Continuous Shot-blasting Descales			Squirt Welding Accelerates Fabrication Steel Bar Which Requires No Heat-		
Steel Sheets	raug.	116	of Heavy Steel Components Jan. 167 treating, High-strength	Aug.	174

Steel Bars Now Available, Large Hexa-								
			Sump-cleaning Machine, Carnes Oil-			Tapers, Adjustable Gage Checks Wide	-	
gon-shaped Steel Called "MC-Mold and Cavity	мау	161	dispensing and	Oct.	229	Range of. W. M. Halliday	Oct.	209
Steel," Medium-carbon-alloy Die	May	160	Lubrication Service Available to Ex-			Tapers, Comparator for Checking, H. J. Gerber	Feh	100
Steel City Testing Machines, Inc.:		100	hibitor at Show	Sept.	244	Tapping and Assembling Screws and	reu.	100
Brinell Hardness Testing Machine			Sundstrand Machine Tool Co.:	-cp-		Nylon Nuts	Jan.	196
with Sorting and Marking Features			Milling and Turning Equipment	Sept.	308	Tapping and Threading Machine, War-		
Bench Type Brinell Hardness Tester		216	Punched Card Controls Lathe	Dec.	211	ner & Swasey	Sept.	297
Steel-cutting Carbide for High-speed Ma			Three-dimensional Tracer Milling		000	Tapping Attachment and Multiple-spin-		
chining, Kennametal Steel, Molybdenum-sulphide Alloy	May	191	Unit	Apr.	233	dle Drill Head	June	236
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for	Ang	171	of Magnetic Chucks	Oct	161	Drilling and	sept.	431
Steel Plates, Lead-bearing, Free-	and.		"Super Auto-Klean" Cleanable Micro-		101	W. M. Halliday	Apr	212
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Steel Provides Abrasion Resistance,			"Super Service" Drilling Machines,			Parts	July	207
Chromium Containing	Nov.	176	Cincinnati Bickford	Sept.	234	Tapping Head, Combination Drilling,		
Steel, see Sheet, Stainless, High-speed			Superalloys, Consumable-electrode			Reaming, Chamfering, and	Nov.	234
Steel Sheets, Continuous Shot-blasting		120	Vacuum Melting of	Dec.	173	Tapping Head, In-line Multiple-spindle		
Descales	Aug.	172	Superchrome Engineering Co.:			Drilling or		
for Producing Etched Finishes	Ang	174	Oil Derrick Put to Work at Plating Plant	Morr	169	Tapping Head, Kaufman	June	214
Steelweld Machinery Division of the	raug.	***	Superfinishing Machine, and Dynetric	1404.	103	Tapping Head, Thriftmaster Special Multiple-spindle Drilling and	Jan	216
Cleveland Crane & Engineering Co.:			Balancing Machine; Gisholt Master-			Tapping Head with Automatic Torque	Oan.	210
Shear and Presses	Sept.	204	line Lathe,	Sept.	184	Control, Davis	July	240
Steering-gear Couplings, Trans-O-			Superflo Coolant Pumping Units	Mar.	204	Tapping Machine, Automated Eight-		
Mator Assembles	Dec.	215	Superior Hone Corporation:			station Drum Type Drilling and	July	229
Steering Knuckles, Machine Designed to	Non	905	Honing Machine with Constant Pres-	*	000	Tapping Machine, Automatic Feeding		
Process	Nov.	205	sure System	June	209	Device for, W. M. Halliday	Aug.	164
ern	Mar.	223	Superior Tube Co.: Large-diameter Light-wall Stain-			Tapping Machine, Fox Drilling and	Sept.	267
Sterling Drill Grinder	May.		less-steel Tubing Available	Apr	186	Tapping Machine; Little "Giant" Auto- mated Drilling, Chamfering, and	Aug	216
Sterling Electric Motors, Inc.:			Supermetric Chasers, Geometric			Tapping Machine, Natco Multi-spindle	redg.	-10
Explosion-proof Motor	May	224	Supplement Increases Effectiveness of			Drilling and	Nov.	218
Sterling Grinding Wheel Co.:			Sulphur-base Cutting Oils	Feb.	177	Tapping Machines and Automatic Index-		
Epoxy Adhesive Reduces Grinding	w .	10=	Support, Adjustable Stock. F. C. Elmo			table, Cleveland	Sept.	220
Wheel Rejects	reb.	187	Sure-Bore Boring-bar Cartridge	Apr.	249	Tapping Machines; Hamilton Hobbing,	Cart	900
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Precision Rubber-to-metal Bonding			Surface Plates, DoALL Black Granite	May	214	Tapping of Titanium Alloys, Deep-hole.	sept.	040
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Stocklube System for Press Operations	May	216	1 and 2	May	239	Consideration, Earl Cook	Mar.	176
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Toggle Type Molding Press	Dec	219	Sutton Mfg. Corporation: Coolant Pump	Anr	262	Tapping Units, Drillmation Drilling and Taxes? Net Profits—Before or After.	mar.	210
Stops for Spring Collets	Oct.		Swanson Tool & Machine Products, Inc.:	apr.	204	Charles O. Herb	Dec	141
Storage Units; Standard Pressed Steel	004		Auto-Tran Indexing Unit	Oct.	240	Taylor Dynamometer & Machine Co.:	Dec.	
Co. Set-screws, Lock Fasteners, and	Sept.	318	Sweeney, F. J.:			"HI-EFF" Drilling Machine	Feb.	227
Storage Wall System for Stocking Small			Glass Tubes Machined to Extremely			Television Sets Cost Less Because of		
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vices, Ferguson	Sept.	318	System for Machine Control, Automatic	MOA.	100	ing	Dec	151
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and .  Straightener for Coiled Stock, Cradle and	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May	195 185 250 194 210 197 264 163 196 210 186 186 186 179	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Tatle-Petrce Mfg. Co.: Surface Grinder, Gaging Unit, and Chucks Tallstock Plug Replaces Toolmaker's Bulton, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical Tap Driver, Scully-Jones Safe-Torque. Tap Drivers and Heavy-duly Tap- holders, Scully-Jones Close-center Tap Drivers, Scully-Jones Safe-Torque Tap Drivers, Scully-Jones Close-center Tap Drivers, Scully-Jones Close-center Tap-drivers and Heavy-duly Tap-holders, Scully-Jones Drill Driver and Tap-Safe-Torque Heavy-duly Tap-holders, Scully-Jones Drill Driver and Tap-Saver Tapping Head with Automatic Torque Control, Davis Tap, Threadwell Piloted	Oct. May Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July	224 208 245 195 222 180 220 236 218 188 221 198 218 221 228 24	from Cardboard, Charles H, Wick Template and Cam Machine, New Eng- land Terminology, Standard Industrial En- gineering Terrell, Francts R: Multiple Holder Permits Independ- ent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bend- ing. Tester, Enech Type Brinell Hardness Tester, Enech Type Brinell Hardness Tester, Coats Precision Spring Tester, Close Single-purpose Impact. Tester, Sheffield Micro-hardness Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability Testing Cylinder Heads, Snyder Auto- matic Machine for Assembling and Testing Equipment, Tinus Olsen Bal- ancing and Hardness Testing Machine, Baldwin Creep Rupture Testing Machine, Baldwin Creep Rupture Testing Machine, Valve—	Jan, Mar. Oct. Feb, Oct. Aug. Sept. May Aug. Jan. June Jan. Aug. Mar. Apr. June	221 203 198 161 202 209 216 203 318 210 185 214 224 227 218
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and Straightener for Coiled Stock, Cradle and	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May	195 185 250 194 210 197 264 163 196 210 186 186 304 179 228 220	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Tatit-Petrce Mig. Co.: Surface Grinder, Gaging Unit, and Chucks Tallstock Plug Replaces Toolmaker's Bulton, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical. Tap Drivers and Heavy-duty Tap- holders, Scully-Jones Safe-Torque Tap Drivers, Safe-Torque Tap Grinder, Jones & Lamson High- production Tap-holders, Scully-Jones Close-cen- ter Tap-drivers and Heavy-duty Tap-holders, Scully-Jones Drill Driver and Tap-Saver Tapping Head with Automatic Torque Control, Davis Tap, Threadwell Piloted Taps for Automatic Screw and Bar Ma- chines, Jarvis Stub	Oct. May Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July Feb.	224 208 245 195 222 180 220 236 218 188 221 198 218 224 240 238 232	from Cardboard, Charles H, Wick Template and Cam Machine, New Eng- land Terminology, Standard Industrial En- gineering. Terrell, Francis R: Multiple Holder Permits Independ- ent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bend- ing. Tester, Enent Type Brinell Hardness. Tester, Enent Type Brinell Hardness. Tester, Coats Precision Spring Tester, Closen Single-purpose Impact. Tester, Sheffield Micro-hardness. Tester, Sheffield Micro-hardness. Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability. Testing Cylinder Heads, Snyder Auto- matic Machine for Assembling and Testing Equipment, Tinius Olsen Bal- ancing and Hardness. Testing Machine, Baldwin Creep Rugture Testing Machine, Multiple Creep Rugture Testing Machine, Walve- Testing Ma	Jan, Mar. Oct. Feb. Oct. Aug. Sept. May. Aug. June Jan. Aug. June June Aug.	221 203 198 161 202 209 216 203 188 210 185 214 224 227 218 209
and Straightener for Coiled Stock, Cradle and	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May Apr. Jan.	195 185 250 194 210 197 264 163 198 210 186 186 304 179 228 220 203	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Tatit-Petrce Mig. Co.: Surface Grinder, Gaging Unit, and Chucks Tallstock Plug Replaces Toolmaker's Bulton, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical. Tap Drivers and Heavy-duty Tap- holders, Scully-Jones Safe-Torque Tap Drivers, Safe-Torque Tap-Torque Control, Davis Tap, Threadwell Piloted Taps for Automatic Screw and Bar Machines, Jarvis Stub	Oct. May  Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Nov. Feb. Nov. Inly Feb. Nov. Nov.	224 208 245 195 222 180 220 236 218 188 221 198 218 224 240 238 232	from Cardboard, Charles H, Wick Template and Cam Machine, New England Terminology, Standard Industrial Engineering Terrell, Francis R.: Multiple Holder Permits Independent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bending Tester, Automatic Rockwell Hardness Tester, Bench Type Brinell Hardness Tester, Coats Precision Spring Tester, Clash Single-purpose Impact Tester, Sheffield Micro-hardness Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability Testing Cylinder Heads, Snyder Automatic Machine for Assembling and Testing Equipment, Tinius Olsen Balancing and Hardness Testing Machine, Baldwin Creep Testing Machine, Baldwin Creep Testing Machine, Waltey Testing Machine with Sorting and Marking Features, Brinell Hardness Testing Machine with Sorting and Marking Features, Brinell Hardness	Jan, Mar. Oct. Feb. Oct. Aug. Sept. May Aug. Jan. Aug. June June Aug. June June Aug. June Aug. June	221 203 198 161 202 209 216 203 188 210 185 214 227 218 209 187
and Straightener for Coiled Stock, Cradle and Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Strasser, Federico: Two-stage Bending Die for Hose Clips Simple Die Cuts Pins to Various Lengths Shearing Tool for Thin-wall Tubing Strength of Bolts Subject to Shock Loads, Increasing the Impact Strength of Bolts Subject to Shock Loads, Increasing the Impact Stresses Not Always Increased by External Loads, Bolt Stretch-forming Titanium Sections. Ralph A. Kiehl Stretch Under Tension, Air Gage for Measuring Bolt Strips, Rapid Method of Flanging Metal Stripper and Derusting Materials, Oakite Strips, Rapid Method of Flanging Metal Stripping Device, Rotary Scrap- H. B. Schell Submerged-Arc Welding, see Welding Studs, Townsend Automatics Equipped for Mass Production of Precision Stuck, Inc., W. Whitney: Connecticut Press Brake Stupplox Ceramic Tools for Cutting Metals Stur-D-Aire Amplifier for Air Gage	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May Apr. Apr. Oct.	195 185 250 194 210 197 264 163 196 210 186 186 179 228 220 203 252	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Tatle-Petrce Mfg. Co.: Surface Grinder, Gaging Unit, and Chucks Tallstock Plug Replaces Toolmaker's Button, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical Tap Driver, Scully-Jones Safe-Torque Tap-drivers and Heavy-duly Tap- holders, Scully-Jones Close-center Tap Drivers, Saile-Torque Tap Drivers, Scully-Jones Close-center Tap Drivers, Scully-Jones Close-center Tap-Drivers, Scully-Jones Drill Driver and Tap-Saver Tapping Head with Automatic Torque Control, Davis Tap, Threadwell Piloted Taps, Jarvis Stub Taps, Jarvis Stub Taps, Jarvis Stub Taps, Jarvis Pipe Tape-controlled Electronic Digital Positioning Table, Jigmatic	Oct. May  Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July Feb. Nov. Oct.	224 208 245 195 222 180 220 236 218 188 221 198 224 240 238 232 216 214	from Cardboard, Charles H, Wick Template and Cam Machine, New Eng- land Terminology, Standard Industrial En- gineering. Terrell, Francis R: Multiple Holder Permits Independ- ent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bend- ing. Tester, Enent Type Brinell Hardness. Tester, Enent Type Brinell Hardness. Tester, Coats Precision Spring Tester, Closen Single-purpose Impact. Tester, Sheffield Micro-hardness. Tester, Sheffield Micro-hardness. Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability. Testing Cylinder Heads, Snyder Auto- matic Machine for Assembling and Testing Equipment, Tinius Olsen Bal- ancing and Hardness. Testing Machine, Baldwin Creep Rugture Testing Machine, Multiple Creep Rugture Testing Machine, Walve- Testing Ma	Jan, Mar. Oct. Feb. Oct. Aug. Sept. May Aug. Jan. Aug. June June Aug. June June Aug. June Aug. June	221 203 198 161 202 209 216 203 188 210 185 214 227 218 209 187
and Straightener for Coiled Stock, Cradle and	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May Apr. Apr. Oct.	195 185 250 194 210 197 264 163 196 210 186 186 179 228 220 203 252	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Taft-Peirce Mfg. Co.: Surface Grinder, Gaging Unit, and Chucks Talistock Plug Replaces Toolmaker's Button, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Trankser Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical Tap Drivers, Sully-Jones Safe-Torque. Tap-drivers and Heavy-duty Tap- holders, Scully-Jones Close-center Tap Drivers, Sate-Torque Tap Drivers, Sate-Torque Tap Drivers, Sate-Jorque Tap-Inders, Scully-Jones Close-center Tap-holders, Scully-Jones Drill Driver and Tap-Saver Tapping Head with Automatic Torque Control, Davis Tap, Threadwell Piloted Taps for Automatic Screw and Bar Ma- chines, Jarvis Pipe Tape-controlled Electronic Digital Positioning Table, Jigmatic Tape-controlled Electronic Digital Positioning Table, Jigmatic Tape-controlled Electronic Digital	Oct. May Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July Feb. Nov. July	224 208 245 195 222 180 220 236 218 188 221 198 224 240 238 232 216 214	from Cardboard. Charles H. Wick Template and Cam Machine, New England Terminology, Standard Industrial Engineering Terrell, Francis R.: Multiple Holder Permits Independent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bending Tester, Automatic Rockwell Hardness Tester, Automatic Rockwell Hardness Tester, Cats Precision Spring Tester, Claes Higher Spring Tester, Claes Single-purpose Impact Tester, Sheffield Micro-hardness Tester, Sheffield Micro-hardness Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability Testing Cylinder Heads, Snyder Automatic Machine for Assembling and Testing Equipment, Tinius Olsen Bal- ancing and Hardness Testing Machine, Multiple Creep Rupture Testing Machine, Walve Testing Machine, Valve Testing Machine Paldwin Creep Testing Machine With Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing of Tubing at 250 Feet per Minute, All-inclusive	Jan. Mar. Oct. Feb. Oct. Aug. Sept. May Jan. June Jan. Aug. Jan. June Lune Jan. June Jan. June Jan. June Jan. June	221 203 198 161 202 209 216 203 185 210 185 214 224 227 218 209 187 221
and Straightener for Coiled Stock, Cradle and Straightener, Versatile Rotary Tube Strain Gages for Experimental Use, Resistance Type Strasser, Federico: Two-stage Bending Die for Hose Clips Simple Die Cuts Pins to Various Lengths Shearing Tool for Thin-wall Tubing Strength of Bolts Subject to Shock Loads, increasing the Impact Stresses Not Always Increased by External Loads, Bolt Stretch-Informing Titanium Sections. Raiph A. Kiehl Stretch-Informing Titanium Sections. Raiph A. Kiehl Stretch-Inder Tension, Air Gage for Measuring Bolt Strip, Shot-blasting Steel. Gilbert D. Dill Strips, Rapid Method of Flanging Metal Stripper and Derusting Materials, Oakite Stripping Device, Rotary Scrap- H. B. Schell Submerged-Arc Welding, see Welding Studs, Townsend Automatics Equipped for Mass Production of Precision Stueck, Inc., W. Whitney: Connecticut Press Brake Stupalox Ceramic Tools for Cutting Metals Sturdy Tool & Gage Co.: Stur-D-Aire Amplifier for Air Gage Styleline Deep-throat Presses, Niagara	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Sept. May Apr. Jan. Oct. Feb.	195 185 250 194 210 197 264 163 196 210 186 186 186 179 228 220 203 252 215	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portelvator Elevating Tatle-Petrce Mig. Co.: Surface Grinder, Gaging Unit, and Chucks Tallstock Piug Replaces Toolmaker's Bulton, Frank E. Chace Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical Tap Drivers, Scully-Jones Safe-Torque Tap Drivers, Sully-Jones Safe-Torque Tap Drivers, Safe-Torque Tap Drivers, Scully-Jones Safe-Torque Tap Drivers, Scully-Jones Safe-Torque Tap Drivers, Scully-Jones Close-center Tap Drivers, Scully-Jones Close-center Tap Drivers, Scully-Jones Drill Driver Tap-Andrivers and Heavy-duty Tap-Nolders, Scully-Jones Drill Driver and Tap-Saver Tapping Head with Automatic Torque Control, Davis Tap, Threadwell Piloted. Taps for Automatic Screw and Bar Machines, Jarvis Stub Taps, Jarvis Stub Tape-controlled Electronic Digital Positioning Table, Jigmatic Tape, Controlled Indexing Table Tape, Machine Tools Guided by Mag-	Oct. May Sept. Nov. Mar. Aug, Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July Feb. Nov. July Jan. Oct. July	224 208 245 195 222 180 220 236 221 198 218 224 240 238 232 216 244 240 238 232 216	from Cardboard, Charles H, Wick Template and Cam Machine, New Eng- land Terminology, Standard Industrial En- gineering Terrell, Francis R: Multiple Holder Permits Independ- ent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bend- ing. Tester, Enech Type Brinell Hardness Tester, Enech Type Brinell Hardness Tester, Coats Precision Spring Tester, Coats Precision Spring Tester, Sheffield Micro-hardness Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability Testing Cylinder Heads, Snyder Auto- matic Machine for Assembling and Testing Equipment, Tinius Olsen Bal- ancing and Hardness Testing Machine, Baldwin Creep Rupture Testing Machine, Wilve Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Typewriter for Recording Test Results, Automatic Testing Test Results, Automatic Testing Test Results, Automatic Testing Test Results, Inspection, etc.	Jan. Mar. Oct. Feb. Oct. Aug. Sept. May Jan. June Jan. Aug. Jan. June Lune Jan. June Jan. June Jan. June Jan. June	221 203 198 161 202 209 216 203 185 210 185 214 224 227 218 209 187 221
and Straightener for Coiled Stock, Cradle and Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Straightener, Versatile Rotary Tube Straightener, Federico: Two-stage Bending Die for Hose Clips Simple Die Cuts Pins to Various Lengths Shearing Tool for Thin-wall Tubing Strength of Bolts Subject to Shock Loads, Increasing the Impact Stresses Not Always Increased by External Loads, Bolt Stretch-forming Titanium Sections. Ralph A, Kiehl Stretch Under Tension, Air Gage for Measuring Bolt Strip, Shot-blasting Steel. Gilbert D. Dill Strips, Rapid Method of Flanging Metal Stripper and Derusting Materials, Oakite Strips, Rapid Method of Flanging Metal Stripper and Derusting Materials, Oakite Strips, Rapid Method of Flanging Metal Stripping Device, Rotary Scrap H. B. Schell Schell Schell Schell Submerged-Arc Welding, see Welding Studs, Townsend Automatics Equipped for Mass Production of Precision Stuck, Inc., W. Whitney: Connecticut Press Brake Supalox Ceramic Tools for Cutting Metals Stur-D-Aire Amplifier for Air Gage Styleline Deep-throat Presses, Niagara Styron Compounds Now Available, Four Additional	Jan. Nov. Mar. Nov. July Aug. Feb. May Apr. Aug. Nov. Feb. Sept. May Apr. Jan. Oct. Feb. June	195 185 250 194 210 197 264 163 196 210 186 186 304 179 228 220 203 252 215 176	ing Table, Rotary Sheet Metalworking Machine and Multi-drive Power Tables, Hamilton Portel: ator Elevating Tatl-Petrce Mig. Co.: Surface Grinder, Gaging Unit, and Chucks. Talistock Plug Replaces Toolmaker's Button, Frank E. Chace. Talyrand Measuring Instrument Tank Cupolas Drilled and Tapped on Transfer Machines. T. J. Becker Tantalum Carbide, see Carbide Tap Checker, Optical Tap Driver, Scully-Jones Safe-Torque. Tap-drivers and Heavy-duty Tap-holders, Scully-Jones Close-center. Tap Drivers, Sate-Torque Tap Drivers, Scully-Jones Measurement. Tap-Inder, Jones & Lamson High-production Tap-holders, Scully-Jones Close-center Tap-drivers and Heavy-duty Tap-holders, Scully-Jones Drill Driver and Tap-Andrivers and Heavy-duty Tap-Saver Tapping Head with Automatic Torque Control, Davis. Tap, Threadwell Piloted Taps, Jarvis Stub Taps, Jarvis Stub Taps, Jarvis Pipe Tape-controlled Electronic Digital Positioning Table, Jigmatic Tape, Machine Tools Guided by Magnetic	Oct. May  Sept. Nov. Mar. Aug. Oct. June Feb. Sept. Mar. Nov. Feb. Nov. July Feb. Nov. Oct.	224 208 245 195 222 180 220 236 221 198 218 224 240 238 232 216 244 240 238 232 216	from Cardboard. Charles H. Wick Template and Cam Machine, New England American Standard Industrial Engineering Terrell, Francis R.: Multiple Holder Permits Independent Tool Adjustment Tests Holding Power of Magnetic Chucks Dynamometer Tests, Machine for Making Cold-bending Tester, Automatic Rockwell Hardness Tester, Automatic Rockwell Hardness Tester, Cats Precision Spring Tester, Closen Single-purpose Impact Tester, Sheffield Micro-hardness Tester, Sheffield Micro-hardness Testing and Lathe with Automatic Loader, Monarch Lathe Equipped for Machinability Testing Cylinder Heads, Snyder Automatic Machine for Assembling and Testing Equipment, Tinius Olsen Bal- ancing and Hardness Testing Machine, Multiple Creep Rupture Testing Machine, Walve Testing Machine, Valve Testing Machine Pill Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing Machine with Sorting and Mark- ing Features, Brinell Hardness Testing of Tubing at 250 Feet per Minute, All-inclusive Testing, see also Gaging, Inspection, etc.	Jan. Mar. Oct. Feb. Oct. Aug. Sept. May Jan. June Mar. Apr. Apr. June Jan. June Jan. June	221 203 198 161 202 209 216 203 188 210 185 214 224 227 218 209 187 221 153
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